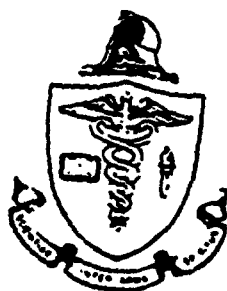


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# ANNUAL PROGRESS REPORT

FY-93



VOLUME I

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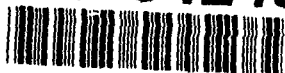


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DEPARTMENT OF CLINICAL INVESTIGATION  
WALTER REED ARMY MEDICAL CENTER  
WASHINGTON, DC 20307-5001

CLINICAL INVESTIGATION PROGRAM  
RCS MED-300(RI)

94-34243



94 11 3 032

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13. ABSTRACT (Maximum 200 words) This report identifies approved clinical research activities conducted at Walter Reed Army Medical Center through protocols approved by the Clinical Investigation Committee, the Human Use Committee/Institutional Review Board, and/or the Animal Use Committee, as appropriate. This report includes a Detail Summary Sheet outlining the progress of each protocol during Fiscal Year 93. Also included is a list of all known presentations and publications related to approved studies, as well as those not related to approved clinical investigation protocols. All research was conducted under the provisions of AR 40-38 (Clinical Investigation Program), AR 40-7 (Use of Investigational Drugs in Humans and the Use of Schedule I Controlled Drug Substances), AR 70-25 (Use of Volunteers as Subjects of Research), HSC Reg 40-23 (Management of Clinical Investigations, Protocols, and Reports), and AR 70-18 (The Use of Animals in DOD Programs).			
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# FORWARD

The Annual Progress Report (APR) documents the continuing review during FY-93 of research approved by the Clinical Investigation Committee (CIC), the Animal Use Committee (AUC), and the Human Use Committee/Institutional Review Board (HUC/IRB) of Walter Reed Army Medical Center (WRAMC). The review of each research protocol is initiated by the Department of Clinical Investigation (DCI) on the anniversary month of its approval. At that time, a request is sent to the principal investigator for submission of a progress report. The completed report consists of a detail summary sheet (DSS), a copy of the approved consent form, and a questionnaire regarding the continuing review of human subject participation or animal use. Members of the HUC/IRB or AUC review the progress reports throughout the year, and one of the following recommendations is made: 1) approval, 2) request additional information, or 3) request termination of the protocol. The members' recommendations are presented monthly to the HUC/IRB or AUC for final approval. The approved detail summary sheets of 551 protocols are included in this document.

The FY-93 APR process at WRAMC was administered by the Editorial Office, Research Administration Service, Department of Clinical Investigation, in coordination with the Research Review Service.

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## I . UNIT SUMMARY

### A. OBJECTIVE

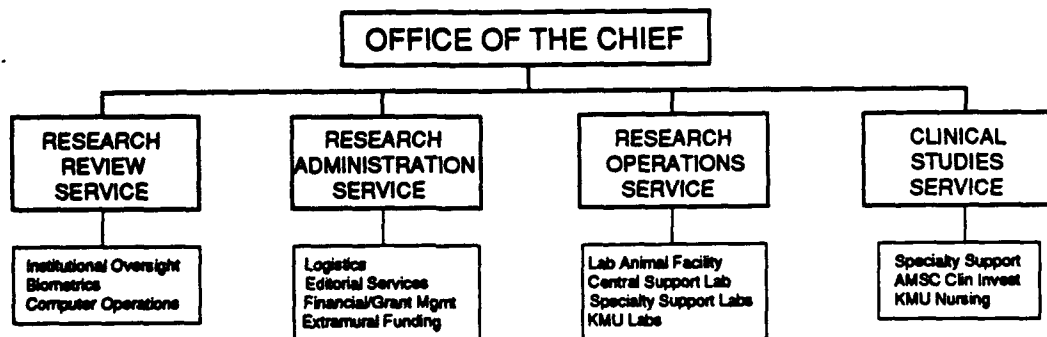
To implement and manage the clinical investigation program at Walter Reed Army Medical Center (WRAMC) by promoting, supporting, coordinating, planning, conducting, and publishing ethical, scientific inquiry into clinical health problems of beneficiaries of the military health care system, to include studies in humans and animals.

### B. TECHNICAL APPROACH

The clinical investigation program at WRAMC is conducted in accordance with the following:

AR 40-7	Use of Investigational Drugs in Humans and the Use of Schedule I Controlled Drug Substances
AR 40-38	Clinical Investigation Program
AR 70-18	The Use of Animals in DOD Programs
TB MED 525	Control of Hazards to Health from Ionizing Radiation Used by the Army Medical Department
HSC 40-23	Management of Clinical Investigation Protocols and Reports
WRAMC 70-1	Clinical Investigation Program, WRAMC Research Activities
45 CFR 46	Protection of Human Subjects
21 CFR A,D,& F	Food and Drug Administration

### C. ORGANIZATION SCHEME



D. DCI STAFF [Positions as of 30 September 1993; suffix (G) reflects grant-funded employees]

DESCRIPTION	GRADE	MOS	BRANCH	NAME	ACTIVITY
<u>OFFICE OF THE CHIEF</u>					
Chief	06	61C	MC	Wray, HL	DCI
Secretary	07	0318	GS	Raghunandan, Z	DCI
NCOIC	E6	01H30	NC	Williams, C	DCI
<u>RESEARCH REVIEW SERVICE</u>					
Chief	05	60F	MC	Derderian, SS	DCI
Biostatistician	14	1530	GM	Chang, AS	DCI
Statistician	12	1530	GS	Howard, RS	DCI
Computer Programmer	11	0334	GS	Rose, JG	DCI
Research Coordinator	09	1083	GS	Coleman-Fraser, E	DCI
Editorial Asst	05	1087	GS	Green, IL	DCI
Computer Room Supv	E5	01H20	NC	Gomez, RJ	DCI
Computer Room Asst	E4	92B10	NC	Curtner, D	DCI
<u>RESEARCH ADMINISTRATION SERVICE</u>					
Chief	12	0501	GS	Burton, ME	DCI
Asst Administrator	E7	92B40	NC	Sheldon, GM	DCI
Tech Pub Editor	09	1083	GS	Walden, JF	DCI
Editorial Asst	07	1087	GS	Vacant	DCI
Editorial Asst	07	1087	GS	Stacy, PG	DCI(G)
Editorial Asst	06/07	1087	GS	Muchui, MJ	DCI

DESCRIPTION	GRADE	MOS	BRANCH	NAME	ACTIVITY
(Research Administration Service cont.)					
Supply Technician	06	2005	GS	Thomas, DR	DCI
Clerk Typist	04	0303	GS	Franklin, AF	DCI
<u>RESEARCH OPERATIONS SERVICE</u>					
Chief	05	68F	MS	Kelly, DJ	DCI
Med Lab NCO	E6	92B30	NC	Floyd, K	DCI
<u>Lab Animal Facility</u>					
Bio Lab Tech	10	0404	GS	Bailey, LR	Animl Resch
Bio Lab Tech	09	0404	GS	Jackson, D	Animl Resch(G)
<u>Central Research Support Lab</u>					
Chief	03	68C00	MS	Payne, AM	DCI
Chemist	12	1320	GS	Abdel-Rahim, M	DCI
Chemist	11	1320	GS	Bednarek, J	DCI
Med Lab NCO	E6	92B30	NC	Arledge, H	DCI
Med Lab NCO	E6	92B30	NC	Hillanbrand, D	DCI
Bio Sci Asst	E4	01H10	EN	Porter, L	DCI
<u>Specialty Support Labs</u>					
Resch Chemist	13	0644	GS	Salata, KF	Allergy
Microbiologist	12	0403	GS	Billups, L	Flow Cytom
Microbiologist	12	0403	GS	Dobek, AS	Inf Disease

DESCRIPTION	GRADE	MOS	BRANCH	NAME	ACTIVITY
(Specialty Support Labs cont.)					
Med Technologist	11	0644	GS	Vacant	Allergy
Chemist	11	1320	GS	Maydonovich, CL	GI
Med Technologist	11	0644	GS	Kapur, JJ	DCI
Med Technologist	11	0644	GS	Burgess, D	Pediatrics
Med Technologist	11	0644	GS	Armstrong, JM	Rheum
Med Technologist	09	0644	GS	Terrell, R	Polyp Prev(G)

Kyle Metabolic Research Laboratory

Supv Resch Chem	14	1320	GM	Carr, FE	DCI
Chemist	13	1320	GS	Tseng, YC	DCI
Physiologist	12	0413	GS	Lukes, YD	DCI
Chemist	12	1320	GS	Nicholson, DE	DCI
Chemist	11	1320	GS	Lahiri, S	DCI
Med Technologist	11	0644	GS	Barnes, SG	DCI
Med Technologist	11	0644	GS	Anderson, JS	DCI
Bio Lab Tech	09	0404	GS	Jenkins, EL	DCI
Editorial Asst	07	1087	GS	Jacobson, A	DCI
Med Technician	05	0645	GS	Martin, JL	DCI
Secretary	05	0318	GS	Phuong, U	DCI
Med Lab NCO	E6	92B40	NC	Vacant	DCI
Bio Sci Asst	E5	01H20	NC	Baptiste, V	DCI

DESCRIPTION	GRADE	MOS	BRANCH	NAME	ACTIVITY
<u>CLINICAL STUDIES SERVICE</u>					
<u>Specialty Support</u>					
C, Nutrition Care	03	65C00	SP	Patton, B	KMU
Medical Officer	15	0602	GS	Popovic, NA	Ortho Resch
Dietitian	13	0630	GM	Mateski, DJ	Polyp Prev(G)
Resch Audiologist	12	0665	GS	Clay, J	AA&SC(G)
Gen Health Sci	12	0601	GS	Summers, WV	AA&SC(G)
Resh Psychologist	12	0180	GS	Hamm, C	Sleep Resch
Clinical Nurse	12	0610	GS	Jamison, J	Hem/Onc(G)
Resch Asst	12	0610	GS	Solomon, BL	KMU
Nurse Specialist	12	0610	GS	Myers, DV	Urology(G)
Nurse Specialist	12	0610	GS	Abt, MB	Urology
Nurse Specialist	11	0610	GS	Vacant	Ortho Resch
Nurse Specialist	11	0610	GS	Pangaro, K	Pulmonary(G)
Nurse Specialist	11	0610	GS	Argauer, K	Pulmonary(G)
Nurse Specialist	11	0610	GS	Kushner, G	Pulmonary(G)
Dietitian	11	0630	GS	Greaser, AM	Polyp Prev(G)
Dietitian	11	0630	GS	Hancock, S	Polyp Prev(G)
Dietitian	11	0630	GS	Miskovsky, VJ	Polyp Prev(G)
Nurse Specialist	11	0610	GS	Crutchfield, E	Polyp Prev(G)
Cardiorespir Tech	E6	91B30	NC	Land, R	Sleep Resch
Secretary	06	0318	GS	Satterwhite, D	Polyp Prev(G)
Secretary	05	0318	GS	Bryson, DD	Hem/Onc(G)

DESCRIPTION	GRADE	MOS	BRANCH	NAME	ACTIVITY
<u>Army Medical Specialist Corps Clinical Investigation Service</u>					
Chief	05	65B9B	SP	Vacant	DCI

<u>Kyle Metabolic Unit Nursing Service</u>					
Supv Clin Nurse	12	0610	GS	Parchment, VA	DCI
Clinical Nurse	11	0610	GS	Bicknell, E	DCI
Clinical Nurse	11	0610	GS	Andersen, L	DCI
Clinical Nurse	11	0610	GS	Coleman, A	DCI
Clinical Nurse	11	0610	GS	Chaudhari, NP	DCI
Clinical Nurse	11	0610	GS	Saxon, NJ	DCI
Clinical Nurse	11	0610	GS	Battle, OM	DCI
Clinical Nurse	11	0610	GS	Vacant	DCI
Clinical Nurse	10	0610	GS	Burman, MS	DCI
Clinical Nurse	10	0610	GS	Stewart, MO	DCI
Clinical Nurse	9/11	0610	GS	Vacant	DCI
Nurse Asst	05	0620	GS	Keeve, ML	DCI

Because of severe budget restraints, the Department of Clinical Investigation was not permitted to replace civilian employees when positions were vacated. This resulted in a decrease of 4 WRAMC-funded civilian employees, from 51 to 47. Grant-funded civilian employees remained at 16. DCI had a net gain of 1 officer and 3 enlisted personnel, from 4 to 5 and 7 to 10, respectively. The total of 78 assigned personnel remains at last year's record high. In August 1993, the Research Operations Service welcomed a new Chief, LTC Daryl J. Kelly, MS. CPT Beverly D. Patton, SP, joined the staff in January 1993 as Chief, Nutrition Care, Kyle Metabolic Unit. More than \$113,000 in extramural funding was obtained from the National Institutes of Health to support research being conducted in the Research Section, Army Audiology and Speech Center. Most of these monies were used to fund two Ph.D.-level researcher positions. The Clinical Studies Service was

established as part of a reorganization of the Department's TDA to prepare for the pending downsizing.

#### E. DCI FINANCIAL SUPPORT

	FY-89	FY-90	FY-91	FY-92	FY-93
Civilian Personnel	\$1,000,402	\$1,500,001	\$1,922,896	\$2,365,661	\$2,410,306
Consumable Supplies	\$ 707,272	\$ 708,572	\$ 650,531	\$ 834,703	\$ 818,131
Civilian Contracts	\$ 88,898	\$ 107,000	\$ 204,385	\$ 123,186	\$ 141,816
TDY	\$ 35,186	\$ 36,102	\$ 31,399	\$ 54,433	\$ 59,764
Travel (non-federal sources)	---	---	---	\$ 22,211	\$ 14,802
Capital Expense Equipment Program	\$ 57,860	\$ 30,932	\$ 77,164	\$ 270,374	\$ 270,462
MEDCASE	\$ 557,178	\$ 572,892	\$1,000,076	\$1,438,216	\$ 670,110
Other Grants	\$ 298,467	\$ 528,140	\$ 500,252	\$ 913,851	\$1,118,690
Military	\$ 429,718	\$ 392,137	\$ 397,960	\$ 402,488	\$ 451,683
<b>T O T A L</b>	<b>\$3,174,981</b>	<b>\$3,875,776</b>	<b>\$4,784,664</b>	<b>\$6,425,123</b>	<b>\$5,955,764</b>

#### F. RESEARCH ACTIVITY

##### 1. Accomplished in FY-93

With the mission to empower WRAMC researchers from planning to publication, the Department of Clinical Investigation (DCI) supported a record total of 717 active protocols this year (Table I). Twenty-three percent (166) of these studies were newly approved during the fiscal year, leaving 556 ongoing for at least one year that are summarized in this report. Medical Corps officers at WRAMC were principal investigators of 79% of the investigations. Medical Corps activities accounted for 96% of the investigations, and less than 1% were conducted at Army Community Hospitals in the Walter Reed Health Service Region (Table II). Human studies accounted for 92% of the investigations, with 32% involving research therapies including investigational drugs or devices and cooperative oncology group studies (Table III). Animal studies accounted for 6%, and laboratory studies

accounted for 2%. Publication and presentation productivity by WRAMC staff included 214 published abstracts, 334 published articles, and 312 conference presentations (Table IV). There were 31 Clinical Investigation Recognition Seminars (now in its seventh year) presented by WRAMC researchers, providing local dissemination of WRAMC research presented at regional and national conferences.

TABLE I. WRAMC Protocol Activity

PROTOCOLS	FY-88	FY-89	FY-90	FY-91	FY-92	FY-93
ONGOING at the begining of FY	456	474	520	552	535	551
NEWLY APPROVED (+)	145	197	172	153	180	166
TOTAL ACTIVE During FY	601	671	692	705	715	717
COMPLETED (-)	114	118	128	164	153	148
TERMINATED (-)	13	33	12	6	11	13
ONGOING at the end of FY	474	520	552	535	551	556

TABLE II. WRAMC FY-93 Active Investigations by AMEDD Officer Corps

CORPS	GRAD TX PROG		OFFICERS IN TX		ACTIVE STUDIES	
	#	(%)	#	(%)	#	(%)
Medical	51	(77)	420	(88)	685	(96)
Medical Service	9	(14)	30	(6)	10	(1)
Dental	3	(5)	14	(3)	3	(<1)
Medical Specialist	2	(3)	9	(2)	0	(0)
Nursing	1	(1)	7	(1)	12	(2)
Veterinary	0	(0)	0	(0)	2	(<1)
	66 (100)		480 (100)		712 (100)	
Army Community Hospitals					6	



TABLE III. WRAMC FY-93 Active Investigations by Subject

SUBJECT	ACTIVE STUDIES	
	#	(%)
Human	662	(92)
Invest New Drug	50	(7)
Invest Device	4	(<1)
Cooperative Oncology Group	176	(25)
Descriptive - Expedited	182	(25)
Greater Risk	<u>250</u>	<u>(35)</u>
	662	(92)
Animal	45	(6)
Laboratory	11	(2)
	718	(100)

TABLE IV. WRAMC Publications and Presentations

	FY-88	FY-89	FY-90	FY-91	FY-92	FY-93
Published Articles	104	157*	276*	285*	369*	334*
Abstracts	106	73	67	75	97+	214+
Presentations	93	61	106	110	232	312

\* Published Articles related to approved clinical investigations:

FY-89 = 22; FY-90 = 62; FY-91 = 71; FY-92 = 114; FY-93 = 138

+ Abstracts related to approved clinical investigations: FY-92 = 91;

FY-93 = 56

The Clinical Investigation Program maintained a high level of activity during 1993 with a record number of active protocols (718 compared to 715 last year) despite a hiring freeze for civilian personnel and a decrease in financial support for equipment. The number of AMEDD officers in training at WRAMC decreased to 480 from the record high of 491 the previous year, with a decrease in physicians from 434 to 420.

The DCI Strategic Planning process resulted in the reorganization of the Department's TDA, the award of funding for the renovation of the laboratory animal facility to meet American Association for Accreditation of Laboratory Animal Care (AAALAC) standards, and the designation of Building 7 as the future site of research laboratory space in the WRAMC Master Plan.

In March, the Department moved from its long-occupied space on the sixth floor (Wards 62-63 area) of Building 2 to office space on the second floor (C sector) of Building 1. Ultimately, these offices are planned for the new BRAC Building, on which construction began late this year.

Under the auspices of the WRAMC Professional Education and Training Committee, the first WRAMC Research Course was completed in early FY-93. Attending the 15-hour course were 122 investigators, both in training and staff. Course evaluations were extremely favorable, and a second course has been developed for early FY-94.

The prestigious Bailey K. Ashford Clinical Research Award is bestowed annually on a member of the year's graduating class whose research accomplishments excelled during training. Fifteen graduating trainees, representing 10 training programs, were nominated for the 1993 award. A selection committee named four semi-finalists and five finalists. The finalists presented their results at a symposium sponsored by the Department of Clinical Investigation. The 1993 finalists were: MAJ Benje H. Boedeker, MC, Resident, Anesthesia-Operative Service, Department of Surgery, "Ultra-Long Duration Local Anesthesia Produced by Injection of Lecithin-Coated Tetracaine Microcrystals"; CPT Thomas B. Francis, MC, Fellow, Endocrine-Metabolic Service, Department of Medicine, "New Methods in YAC (Yeast Artificial Chromosome) Cloning"; MAJ Sharon G. Jackson, MC, Fellow, Endocrine-Metabolic Service, Department of Medicine, "Endothelin and the Thyroid"; MAJ David A. Nickels, MC, Fellow, Pediatric Endocrinology and Metabolism Service, Department of Pediatrics, "Effect of Somatostatin on Glomerular PGE<sub>2</sub> Production in the Diabetic Rat"; and MAJ James M. Roach, MC, Fellow, Pulmonary and Critical Care Medicine Service, Department of Medicine, "Validation of a New Bronchoprovocation Technique." Recipient of the 1993 Bailey K. Ashford Clinical Research Award, MAJ David A. Nickels, was announced at graduation in June.

The Research Review Service continued to be busy with an ever-increasing number of protocols being submitted. After 8 years as Assistant Chief of the Department and Chief of the Research Review Service, LTC Sarkis S. Derderian, MC, left for a new assignment as the Medical Director of the Sleep-Related Breathing Disorders Center, Pulmonary and Critical Care Medicine Service, Department of Medicine. His replacement,

MAJ George C. Tsokos, MC, had been assigned to the Uniformed Services University of the Health Sciences and, since 1992, as the Director of Rheumatology Research, Rheumatology Service, WRAMC. The Service streamlined, in collaboration with the Clinical Investigation Regulatory Office, the procedure for requesting and reporting the one-time use of an investigational new drug. Additionally, a Multiple Project Assurance was issued to WRAMC by the Department of Health and Human Services effective May 1993. The Biostatistics Section increased significantly the functions and capabilities of data analysis by upgrading STATISTIX to 4.0 and SPSS/PC to 6.0 Windows and by procuring BMDP and S+ software for non-standard statistical analyses and SOLO Power program for sample size estimation. During the year, the Computer Operations Section successfully completed a relocation of the computer room and an upgrade of the network operating system and began to develop a new database for improved financial management of protocols. The new network operating system greatly expanded the capabilities and performance of the DCINET, to include initiating the development of a centralized database for all departmental operations. In conjunction with the Directorate of Information Management, the Section developed a plan for a major network expansion to take place in 1994.

The Research Administration Service provided support for the Department and all WRAMC investigators, managing intra- and extramural monies totalling over \$5,950,000. Of this total, \$670,110 was received by the Department in MEDCASE funds, which was a decrease of \$768,106. Extramural funding continued to expand, up \$204,839 from 1992, and includes support from the National Institutes of Health, the U.S. Army Medical Research and Development Command, and the Veterans Administration. During the past year, a large increase was seen in gifts, grants, and sponsored studies. To monitor, assist, and promote extramural funding to support research at WRAMC, a new vital office was created, the Extramural Funding Office. The Editorial Office continued to improve its services, providing comprehensive support to investigators/authors in composing research protocols and manuscripts. The compilation of the Annual Progress Report continues to closely monitor the progress of ongoing research projects, with all reports submitted within 30 days of the anniversary date of approval or the protocol is administratively reviewed and terminated. Additionally, the Editorial Office continues to update the "Clinical Investigator's Guide," explaining the research review process and research resources at WRAMC and providing checklists, formats, and guidelines. To assist principal investigators further, a program continues whereby the routine forms and instructions required to compile a protocol are available to researchers on a user-friendly floppy disk.

During 1993, the Research Operations Service initiated and successfully completed several major projects. In August 1993, LTC Daryl J. Kelly, MS, reported from the Walter Reed Army Institute of Research as the new Chief of this section. Through coordination with the Directorate of Engineering and Housing, the Research Operations Service submitted and was awarded a contract for the renovation of the research animal facility to be completed in August 1994 and for the construction of a new infectious disease laboratory to be completed in March 1994. The research animal use program successfully passed a congressionally mandated, DOD directed, IG

Inspection, which recommended completion of the planned animal facility renovations. By centralizing research efforts and realigning personnel, the Research Operations Service continued to increase laboratory research support to principal investigators throughout the medical center.

The DCI Flow Cytometry Laboratory provided support for 12 fellows and a number of staff from departments around the medical center, including the Allergy-Immunology Service, Rheumatology Service, Pediatric Hematology-Oncology Service, Department of Pathology and Area Laboratories, and Pediatric Endocrinology Service, with eight new protocols initiated. The DCI Immunogenetics Laboratory has aggressively expanded collaboration with researchers, supporting six protocols during this fiscal year. After establishing DNA-PCR and applying it to HLA typing, the laboratory is taking up several protocols dealing with Hepatitis B and C.

The Kyle Metabolic Unit Nursing Service supports 16 beds that are utilized for the evaluation and treatment of endocrine and metabolic disorders. CPT Beverly D. Patton was assigned as the metabolic dietitian.

The 7-year polyp prevention study (NIH grant), now in its third year, headed by LTC James Kikendall, MC, Gastroenterology Service, Department of Medicine, focused on enrolling additional subjects. This is a multi-center study of patients who have undergone colonoscopic removal of adenomas. Subjects are randomized to no intervention or to a low fat, high fiber, high fruit and vegetable diet and extensive counselling. Nutrition counselling for those in the dietary intervention group was ongoing during this past year.

As in years past, principal investigators conducting research under the Clinical Investigation Program at WRAMC continued to receive national recognition during FY-93 for their outstanding research. CPT Michael D. Eisenhower, MC, Resident, Department of Medicine, received several recognitions this past year for this work entitled "Incidence of Cardiac Arrhythmias During Intravenous Pentamidine Therapy in HIV-Infected Patients." In November 1992, he won the Associates' Competition at the 9th Army Regional Meeting of the American College of Physicians, San Francisco, CA; in January 1993, he won the Associates' Competition, Metropolitan D.C. Chapter of the American College of Physicians, Washington, DC; and in April 1993, his poster received recognition as a finalist at the 74th Annual Session of the American College of Physicians National Meeting, Washington, DC.

MAJ Donald J. Lewis, MC, Urology Service, Department of Surgery, received two resident research awards. In February 1993, he received the Washington Urologic Society Residents Day Research Essay Award, and in April 1993, he received the Joseph Baugh Military Resident Research Award at the Uniformed Services Surgical Associates Annual Meeting, Bethesda, MD. Both of these awards were for his work on "Evaluation of the P53 Tumor Suppressor Gene in Human Testicular Cancer."

CPT Kimberly Peele, MC, Fellow, Neuro-Ophthalmology Service, Departments of Ophthalmology and Neurology, won the 1993 Residents' and

Fellows' Competition at the Annual Meeting of the North American Neuro-Ophthalmology Society for her research evaluating peripheral visual fields in pseudotumor cerebri. The title of her presentation was "The Role of Peripheral Visual Fields in Idiopathic Intracranial Hypertension."

MAJ David A. Nickels, MC, Fellow, Pediatric Endocrinology and Metabolism Service, Department of Pediatrics, was the recipient of the Ogden Bruton Award at the Annual Tri-Service Pediatric Seminar in February 1993. This award honors the best basic science research by an active duty pediatrician. Dr. Nickels' paper was entitled "Prevention of Diabetic Nephropathy: Potential New Mechanisms."

First Place honor went to MAJ Joachim J. Tenuta, MC, Orthopaedic Surgery Service, Department of Surgery, at the Residents' Night Competition, Washington Orthopaedic Society, for his work entitled "Arthroscopic Evaluation of Miniscal Repairs: Factors that Affect Healing." Dr. Tenuta presented his paper to the Society at their meeting held in Arlington, VA, in April 1993.

For his work "Subtalar Arthrodesis in the Pediatric Population: A Long Term Follow-Up Study," CPT William DeVries, MC, Orthopaedic Surgery Service, Department of Surgery, received second place recognition at the Residents' Night Competition, Washington Orthopaedic Society, Arlington, VA, April 1993.

The Charles A. Hufnagel Award of the Uniformed Services University of the Health Sciences was awarded to CPT John S. Xenos, MC, Orthopaedic Surgery Service, Department of Surgery, for his study "The Tibiofibular Syndesmosis: Evaluation of the Ligamentous Structures and Methods of Fixation." Dr. Xenos presented his work at the Annual Reserve Components Surgical Day, Bethesda, MD, in April 1993.

## 2. Planned for FY-94

The Department of Clinical Investigation hopes to maintain the essence of the Clinical Investigation Program despite severe budget restrictions in FY-94. The Bailey K. Ashford Research Symposium, the WRAMC Research Course, and the Clinical Investigation Recognition Seminars will be continued. Areas of particular interest for the upcoming year include the following:

- a. Close coordination and oversight of the renovation of the laboratory animal facility and the departmental space in the BRAC Building.

- b. Continued emphasis on departmental reorganization to support increased extramural funding.

## 3. Ongoing and Future Issues

It is probable that WRAMC activities in patient care, training, and research will decrease substantively in the future. The major ongoing and

future issue is the same as last year, funding of the WRAMC Clinical Investigation Program in this new environment.

**TABLE V: Human Use Committee/Institutional Review Board Members**

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Kenneth Burman, COL MC	Co-Chairman Chief, Endocrine-Metabolic Service Representing Deputy Commander
Stephen Sihelnik, LTC MC	Co-Chairman Assistant Chief, Urology Service Representing Deputy Commander
Sarkis Derderian, LTC MC	Acting Co-Chairman Assistant Chief, DCI
Dominic Solimando, MAJ MS	OIC, Hematology-Oncology Pharmacy Representing Chief, Pharmacy Service
David DeDonato, LTC CH	Chief, Dept of Ministry and Pastoral Care
Jack Farrell, Ph.D.*+	Chief, Psychology Section U.S. Soldiers' & Airmens' Home
Eric Marks, M.D.*	Associate Professor Dept of Medicine, USUHS
Laurel Meaney, DAC	Patients' Rights Representative, WRAMC
Scott Murdoch, J.D.	Chief, Claims Office Representing Center Judge Advocate
Cheryl Hostetler, DAC	Clinical Instructor, Dietetic Internship Education and Research Nutrition Care Directorate Representing Ch, Nutrition Care Dir
Jean Reeder, LTC AN	Chief, Nursing Research Service Representing Chief, Dept of Nursing
Robert Smallridge, COL MC*	Chief, Dept of Clinical Physiology Division of Medicine, WRAIR Representing Director, WRAIR
Estelle Coleman-Fraser, DAC	Research Review Coordinator Department of Clinical Investigation

\*Non-affiliated

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**TABLE VI: Clinical Investigation Committee Members**

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Sarkis Derderian, LTC MC	Acting Chairman Assistant Chief, DCI
Stephen Sihelnik, LTC MC	Acting Co-Chairman Staff, Urology Service, Dept of Surgery
Ana Rodriguez, COL MC	Chief, Nuclear Medicine Representing Radiation Control Comm
Audrey Chang, Ph.D.	Senior Biostatistician, DCI
Gary Klipple, COL MC	Chief, Nephrology Service Representing Chief, Dept of Medicine
Scott Murdoch, J.D.	Chief, Claims Office Representing Center Judge Advocate
Jean Reeder, LTC AN	Chief, Nursing Research Service
Douglas Hale, MAJ MC	Staff, General Surgery Service Representing Chief, Dept of Surgery

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**TABLE VII: Rotating Senior Investigators, Clinical Investigation Committee**

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Majorie Leek, Ph.D.	Army Audiology & Speech Center
Bahman Jabbari, COL MC	Neurology Service
Terry Schultz, COL MC	Department of Psychiatry
Roy Wong, COL MC	Gastroenterology Service
Gary Carpenter, COL MC	Allergy-Immunology Service
Russell Moores, MAJ MC	Department of Pediatrics

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TABLE VIII: Animal Use Committee Members

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Sarkis Derderian, LTC MC	Acting Chairman Assistant Chief, DCI
Judith Davis, MAJ VC	Attending Veterinarian Chief, Animal Resource Department, Div of Veterinary Medicine, WRAIR
Matthew Payne, CPT MS	Acting Ch, Research Operations Service Dept of Clinical Investigation, WRAMC
Hernando Mena, LTC MC*	Asst Chairman, Dept of Neuropathology Armed Forces Institute of Pathology
Ted Hadfield, LtCol BSC*	Chief, Division of Microbiology Armed Forces Institute of Pathology

\*Non-affiliated

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TABLE IX: HIV Research/Clinical Investigation Committee Member

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Charles Oster, COL MC	Chief, Infectious Disease Service Representing Program Director, HIV Research, Jackson Foundation
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EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS.  
BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/ SERVICE	PROTOCOL NUMBER*	PRIOR FY's (\$)	CURRENT FY (\$)	TOTAL (\$)
<b>ALLERGY-IMMUNOLOGY SERVICE</b>				
	1400-88	2,658	0	2,658
	3221	21,527	0	21,527
	3339	4,047	0	4,047
	3340	7,478	0	7,478
	3343	737	0	737
	3344	5	0	5
	3345	330	0	330
	3346	1,630	20	1,650
	3347	40	20	60
	3349	2,763	0	2,763
	3350	48	0	48
	3351	331	0	331
	3352	2,357	0	2,357
	3353	530	0	530
	3354	4,403	0	4,403
	3355	655	0	655
	3357	13,444	526	13,970
	3358	6,362	320	6,682
	3359	834	20	854
	3360	632	0	632
	3363	64	1,090	1,154
	3364	3,509	1,386	4,895
	3365	11,276	708	11,984
	3366	4,027	478	4,505
	3367	2,573	11,501	14,074
	3368	0	3,167	3,167
	4811	6,611	1,894	8,505
	4812	2,623	1,268	3,891
	6276	1,294	1,080	2,374
	9272	35,616	0	35,616
	9286	1,738	6,534	8,272
	TOTAL	140,142	30,012	170,154
<b>DEPARTMENT OF CLINICAL INVESTIGATION</b>				
	1673	5,469	0	5,469
	9271	13,141	0	13,141
	9275	16,791	0	16,791
	9284	1,900	3,892	5,792
	9285	1,394	335	1,729
	TOTAL	38,695	4,227	42,922
<b>HIV RESEARCH</b>				
	6325	0	1,106	1,106
	8802	996	0	996
	TOTAL	996	1,106	2,102

\* Protocol is not listed if total expense is zero.

EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS,  
BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/ SERVICE	PROTOCOL NUMBER*	PRIOR FY's (\$)	CURRENT FY (\$)	TOTAL (\$)
DEPARTMENT OF MEDICINE				
Cardiology Service				
	1264	517	0	517
	1268	2,236	1,864	4,100
	1269	5,091	4,310	9,401
	TOTAL	7,844	6,174	14,018
DEPARTMENT OF MEDICINE				
Dermatology Service				
	1815	1,100	0	1,100
	TOTAL	1,100	0	1,100
DEPARTMENT OF MEDICINE				
Endocrine-Metabolic Service				
	1302-88	15,376	9,875	25,251
	1303-88	0	13,311	13,311
	1311-88	658	300	958
	1312-89	737	0	737
	1316-89	5,006	10,082	15,088
	1322-90	1,477	0	1,477
	1328-90	45,637	39,754	85,391
	1329-90	236	0	236
	1330-90	0	2,888	2,888
	1331-91	3,221	0	3,221
	1333-91	17,635	13,369	31,004
	1334-91	1,043	47,682	48,725
	1335-91	28,343	6,701	35,044
	1336-91	6,758	10,419	17,177
	1337-91	264	0	264
	1339-91	837	0	837
	1340-91	0	778	778
	1342-92	1,304	7,118	8,422
	1343-92	0	70,849	70,849
	1346-92	0	12,398	12,398
	1349-92	0	7,776	7,776
	1356-84	4,352	0	4,352
	1359-85	51,726	16,699	68,425
	1371-86	11,403	0	11,403
	1372-86	68,391	0	68,391
	1376-86	18,811	0	18,811
	1385-87	65,494	0	65,494
	1391-87	814	0	814
	1395-87	182,360	535	182,895
	1399-87	102,850	8,213	111,063
	4299	14,018	0	14,018
	9266	23,963	0	23,963
	TOTAL	672,714	278,747	951,461

\* Protocol is not listed if total expense is zero.

EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS,  
BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/ SERVICE	PROTOCOL NUMBER*	PRIOR FY's (\$)	CURRENT FY (\$)	TOTAL (\$)
DEPARTMENT OF MEDICINE				
Gastroenterology Service				
	1401	6,597	635	7,232
	1404	100	0	100
	1406	10,467	1,116	11,583
	1411	1,510	0	1,510
	1413	34,319	5,053	39,372
	1414	28,537	710	29,247
	1416	1,908	635	2,543
	1417	20,014	0	20,014
	1421	0	570	570
	1423	4,718	2,045	6,763
	1450	16,101	0	16,101
	1483	2,340	0	2,340
	1487	1,158	635	1,793
	1496	525	0	525
	1497	1,250	0	1,250
	2031	3,895	149	4,044
	TOTAL	133,439	11,548	144,987
DEPARTMENT OF MEDICINE				
General Medicine Service				
	1028	0	425	425
	TOTAL	0	425	425
DEPARTMENT OF MEDICINE				
Hematology-Oncology Service				
	1681	2,705	916	3,621
	TOTAL	2,705	916	3,621
DEPARTMENT OF MEDICINE				
Infectious Disease Service				
	1956	7,236	0	7,236
	TOTAL	7,236	0	7,236
DEPARTMENT OF MEDICINE				
Nephrology Service				
	1157	7,796	0	7,796
	1161	3,530	709	4,239
	1162	8,598	5,043	13,641
	1163	3,485	0	3,485
	1164	16,810	18,944	35,754
	1165	2,587	4,868	7,455
	1166	4,582	7,527	12,109
	1167	4,324	5,434	9,758
	1168	5,593	5,017	10,610
	1169	0	150	150
	1170	0	21,208	21,208
	TOTAL	57,305	68,900	126,205

\* Protocol is not listed if total expense is zero.

EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS,  
BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/ SERVICE	PROTOCOL NUMBER*	PRIOR FY's (\$)	CURRENT FY (\$)	TOTAL (\$)
DEPARTMENT OF MEDICINE				
Pulmonary & Critical Care Medicine Service				
	3011	0	697	697
	TOTAL	0	697	697
DEPARTMENT OF MEDICINE				
Pulmonary Disease Service				
	1707	11,787	0	11,787
	1714	220	0	220
	1717	1,090	1,727	2,817
	1724	5,058	220	5,278
	1732	5,515	0	5,515
	1743	660	0	660
	1747	3,003	0	3,003
	1748	663	155	818
	1749	0	155	155
	1751	0	1,154	1,154
	1752	0	1,339	1,339
	1753	0	1,364	1,364
	1754	4,981	1,950	6,931
	1756	0	1,502	1,502
	9280	2,535	2,249	4,784
	TOTAL	35,512	11,815	47,327
DEPARTMENT OF MEDICINE				
Rheumatology Service				
	3707	11,644	10,763	22,407
	3709	25,923	30,788	56,711
	3710	12,383	7,712	20,095
	3711	26,334	20,729	47,063
	3712	27,429	8,387	35,816
	3713	0	14,220	14,220
	3714	1,271	2,886	4,157
	3715	0	29,592	29,592
	TOTAL	104,984	125,077	230,061
NEUROLOGY SERVICE				
	7142	295	12,000	12,295
	7145	0	131	131
	7147	1,744	1,048	2,792
	9200	6,875	0	6,875
	TOTAL	8,914	13,179	22,093
DEPARTMENT OF NURSING				
	7525	29	0	29
	7526	0	946	946
	TOTAL	29	946	975

\* Protocol is not listed if total expense is zero.

EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS.  
BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/ SERVICE	PROTOCOL NUMBER*	PRIOR FY's (\$)	CURRENT FY (\$)	TOTAL (\$)
DEPARTMENT OF OBSTETRICS AND GYNECOLOGY				
Gynecologic Oncology Group				
	4265	238	0	238
	TOTAL	238	0	238
DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES				
	4814	0	1,325	1,325
	TOTAL	0	1,325	1,325
DEPARTMENT OF PEDIATRICS				
	6064	18,685	14,246	32,931
	6256	1,308	1,796	3,104
	6257	19,579	17,442	37,021
	6258	1,667	0	1,667
	6267	0	372	372
	6274	165	0	165
	6275	0	352	352
	6291	7,615	365	7,980
	6295	16,392	2,552	18,944
	6298	400	755	1,155
	6299	3,482	7,195	10,677
	6300	23,003	2,520	25,523
	6305	0	2,093	2,093
	6306	0	1,003	1,003
	6308	3,226	2,546	5,772
	6313	6,024	1,260	7,284
	6321	2,209	5,255	7,464
	6324	0	2,005	2,005
	6327	5,115	7,352	12,467
	6331	0	4,500	4,500
	6332	0	16,171	16,171
	6336	0	16,601	16,601
	TOTAL	108,870	106,381	215,251
DEPARTMENT OF PEDIATRICS				
Pediatric Hematology-Oncology Service				
	6213	12,276	2,559	14,835
	6307	2,371	0	2,371
	TOTAL	14,647	2,559	17,206
PHYSICAL MEDICINE AND REHABILITATION SERVICE				
	9609	0	1,265	1,265
	9612	2,058	491	2,549
	9614	0	1,853	1,853
	9621	0	1,527	1,527
	TOTAL	2,058	5,136	7,194
DEPARTMENT OF PSYCHIATRY				
	7245	163	1,092	1,255
	7246	7,854	0	7,854

\* Protocol is not listed if total expense is zero.

EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS,  
BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

DEPARTMENT/ SERVICE	PROTOCOL NUMBER*	PRIOR FY's (\$)	CURRENT FY (\$)	TOTAL (\$)
DEPARTMENT OF PSYCHIATRY				
	7250	0	229	229
	TOTAL	8,017	1,321	9,338
DEPARTMENT OF RADIOLOGY				
	4538	500	0	500
	4700	0	251	251
	4702	0	934	934
	TOTAL	500	1,185	1,685
DEPARTMENT OF SURGERY				
Anesthesia-Operative Service				
	2056A	0	23,113	23,113
	2063A	0	31,313	31,313
	TOTAL	0	54,426	54,426
DEPARTMENT OF SURGERY				
Army Audiology and Speech Center				
	2504	1,119	8,181	9,300
	2510	0	73	73
	2511	5,350	1,067	6,417
	2514	0	3,540	3,540
	2515	910	240	1,150
	2516	80	1,235	1,315
	2518	0	90	90
	2519	0	546	546
	2520	0	1,910	1,910
	2521	997	2,236	3,233
	2588	4,031	0	4,031
	2590	6,560	8,768	15,328
	2591	2,785	970	3,755
	2594	6,220	0	6,220
	2598	1,095	750	2,745
	TOTAL	30,047	29,606	59,653
DEPARTMENT OF SURGERY				
Critical Care Medicine Service				
	3008	5,571	0	5,571
	TOTAL	5,571	0	5,571
DEPARTMENT OF SURGERY				
Ophthalmology Service				
	2317	0	675	675
	2318	0	8,882	8,882
	2319	9,915	3,905	13,820
	TOTAL	9,915	13,462	23,377
DEPARTMENT OF SURGERY				
Orthopaedic Surgery Service				
	2410	8,439	0	8,439
	2427	0	278	278

\* Protocol is not listed if total expense is zero.

EXPENSES FOR PROTOCOLS OF CURRENT AND PREVIOUS FISCAL YEARS,  
BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

<u>DEPARTMENT/ SERVICE</u>	<u>PROTOCOL NUMBER*</u>	<u>PRIOR FY's (\$)</u>	<u>CURRENT FY (\$)</u>	<u>TOTAL (\$)</u>
DEPARTMENT OF SURGERY				
Orthopaedic Surgery Service				
	2432	0	2,636	2,636
	2435	5,959	0	5,959
	TOTAL	14,398	2,914	17,312
DEPARTMENT OF SURGERY				
Otolaryngology-Head & Neck Surgery Svc				
	2501	5,874	0	5,874
	TOTAL	5,874	0	5,874
DEPARTMENT OF SURGERY				
Urology Service				
	2860	482	0	482
	2862	13,889	0	13,889
	2864	500	0	500
	TOTAL	14,871	0	14,871

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\* Protocol is not listed if total expense is zero.

# A D D E N D U M

## EXPENSES FOR PROTOCOLS APPROVED DURING FY-93 (FIRST ANNUAL PROGRESS REPORT TO BE SUBMITTED IN FY-94) AND EXPENSES FOR PROTOCOLS PREVIOUSLY CLOSED BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

<u>DEPARTMENT/ SERVICE</u>	<u>PROTOCOL NUMBER</u>	<u>PRIOR FY's (\$)</u>	<u>CURRENT FY (\$)</u>	<u>TOTAL (\$)</u>
DEPARTMENT OF CLINICAL INVESTIGATION				
	9287	0	1,406	1,406
	TOTAL	0	1,406	1,406
DEPARTMENT OF MEDICINE				
Endocrine-Metabolic Service				
	1317	0	797	797
	1320	7,244	26,674	33,918
	1351	1,051	295	1,346
	1352	0	4,534	4,534
	1354	17,792	1,200	18,992
	1360	252	4,972	5,224
	1362	1,718	14,833	16,551
	1373	7,094	2,518	9,612
	1387	39,004	525	39,529
	1390	140,596	4,335	144,931
	1392	371	340	711
	1393	140,501	451	140,952
	4221	0	270	270
	TOTAL	355,623	61,744	417,367
DEPARTMENT OF MEDICINE				
Gastroenterology Service				
	1495	4,160	453	4,613
	TOTAL	4,160	453	4,613
DEPARTMENT OF MEDICINE				
Hematology-Oncology Service				
	1647	250	472	722
	TOTAL	250	472	722
DEPARTMENT OF MEDICINE				
Nephrology Service				
	1171	0	1,764	1,764
	1172	0	2,026	2,026
	TOTAL	0	3,790	3,790
DEPARTMENT OF MEDICINE				
Pulmonary and Critical Care Medicine Svc				
	3006	0	155	155
	TOTAL	0	155	155

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\* Protocol is not listed if total expense is zero.



# A D D E N D U M

## EXPENSES FOR PROTOCOLS APPROVED DURING FY-93 (FIRST ANNUAL PROGRESS REPORT TO BE SUBMITTED IN FY-94) AND EXPENSES FOR PROTOCOLS PREVIOUSLY CLOSED BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

<u>DEPARTMENT/ SERVICE</u>	<u>PROTOCOL NUMBER</u>	<u>PRIOR FY's (\$)</u>	<u>CURRENT FY (\$)</u>	<u>TOTAL (\$)</u>
DEPARTMENT OF MEDICINE				
Pulmonary Disease Service				
	1716	5,833	1,267	7,100
	1722	100,000	1,224	101,224
	1728	388	252	640
	1729	0	747	747
	1735	0	845	845
	1742	750	135	885
	TOTAL	106,971	4,470	111,441
DEPARTMENT OF MEDICINE				
Rheumatology Service				
	3220	25,019	1,400	26,419
	TOTAL	25,019	1,400	26,419
NEUROLOGY SERVICE				
	7151	0	724	724
	7152	0	70	70
	TOTAL	0	794	794
DEPARTMENT OF OBSTETRICS AND GYNECOLOGY				
	4300	0	1,886	1,886
	TOTAL	0	1,886	1,886
DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES				
	4815	0	340	340
	TOTAL	0	340	340
DEPARTMENT OF PEDIATRICS				
	6237	0	1,021	1,021
	6268	0	190	190
	6276	0	1,080	1,080
	6325	0	1,106	1,106
	6342	0	298	298
	6344	0	149	149
	6345	0	40	40
	TOTAL	0	3,884	3,884
DEPARTMENT OF PSYCHIATRY				
	7287	0	15	15
	TOTAL	0	15	15
DEPARTMENT OF SURGERY				
Anesthesia-Operative Service				
	4026	0	950	950
	TOTAL	0	950	950

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\* Protocol is not listed if total expense is zero.

# A D D E N D U M

## EXPENSES FOR PROTOCOLS APPROVED DURING FY-93 (FIRST ANNUAL PROGRESS REPORT TO BE SUBMITTED IN FY-94) AND EXPENSES FOR PROTOCOLS PREVIOUSLY CLOSED BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

<u>DEPARTMENT/ SERVICE</u>	<u>PROTOCOL NUMBER</u>	<u>PRIOR FY's (\$)</u>	<u>CURRENT FY (\$)</u>	<u>TOTAL (\$)</u>
DEPARTMENT OF SURGERY				
Army Audiology and Speech Center				
	2506	466	90	556
	2524	0	260	260
	2525	0	257	257
	2527	0	320	320
	2575	0	499	499
	2593	5,988	400	6,388
	2599	0	475	475
	TOTAL	6,454	2,301	8,755
DEPARTMENT OF SURGERY				
General Surgery Service				
	2037	1,365	1,400	2,765
	TOTAL	1,365	1,400	2,765
DEPARTMENT OF SURGERY				
Orthopaedic Surgery Service				
	2423	797	17,783	18,580
	2428	0	88	88
	2429	819	1,054	1,873
	2437	0	7,811	7,811
	2438	0	19,868	19,868
	2440	0	1,106	1,106
	2441	0	2,595	2,595
	2442	0	837	837
	2444	0	1,598	1,598
	2445	0	9,593	9,593
	2447	0	30,000	30,000
	2450	0	42	42
	2452	0	20	20
	2454	0	1,912	1,912
	2473	0	180	180
	TOTAL	1,616	94,487	96,103
DEPARTMENT OF SURGERY				
Otolaryngology-Head & Neck Surgery Svc				
	2509	0	126	126
	2526	0	485	485
	TOTAL	0	611	611

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\* Protocol is not listed if total expense is zero.

# A D D E N D U M

EXPENSES FOR PROTOCOLS APPROVED DURING FY-93  
(FIRST ANNUAL PROGRESS REPORT TO BE SUBMITTED IN FY-94)  
AND EXPENSES FOR PROTOCOLS PREVIOUSLY CLOSED  
BY DEPARTMENT AND SERVICE, LISTED IN ALPHABETICAL ORDER

<u>DEPARTMENT/ SERVICE</u>	<u>PROTOCOL NUMBER</u>	<u>PRIOR FY's (\$)</u>	<u>CURRENT FY (\$)</u>	<u>TOTAL (\$)</u>
DEPARTMENT OF SURGERY				
Urology Service				
	2873	0	126	126
	2876	0	1,695	1,695
	2877	<u>0</u>	<u>5,336</u>	<u>5,336</u>
	TOTAL	0	7,157	7,157

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\* Protocol is not listed if total expense is zero.

PROTOCOL NUMBER, PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE  
BY DEPARTMENT AND SERVICE

<u>PROTOCOL NUMBER</u>	<u>PRINCIPAL INVESTIGATOR, TITLE, AND APPROVAL DATE</u>	<u>PAGE* (VOL II)</u>
<b>ALLERGY-IMMUNOLOGY SERVICE</b>		
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Michael N, Vahey M, Chang G, Cooley J, Ehrenberg P, Ruderman J, Birx D, Redfield R: gp160 vaccine therapy in an HIV-1 infected patient is associated with a fall in viral burden, antigenic shift, and viral regulatory sequence mutations. 32nd Interscience Conference on Antimicrobial Agents and Chemotherapy, Anaheim, CA, October, 1992. [8806]	Pr

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Endocrine-Metabolic Service

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<u>CITATION*</u>	<u>TYPE**</u>
DEPARTMENT OF MEDICINE Endocrine-Metabolic Service (continued)	
Bhatia S, Lukes Y, Kuppers R, Rose N: Sequence analysis of antigenic determinants of thyroglobulin. Thyroid 1993;3(suppl 1):126. [1316-89]	Ab
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Duncan W, Linville N, Clement S: Risk factors for diabetes mellitus in a self-selected adult population: implications for diabetes screening programs. 74th Annual Meeting of the Endocrine Society, San Antonio, TX, 1992. [1339-91]	Pr
Duncan W, Linville N, Clement S: Risk factors for diabetes mellitus in a self-selected adult population: implications for diabetes screening programs. Proceedings of the 74th Annual Meeting of the Endocrine Society, San Antonio, TX, 1992. [1339-91]	Ab

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Endocrine-Metabolic Service (continued)

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Endocrine-Metabolic Service (continued)

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Gastroenterology Service

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DEPARTMENT OF MEDICINE

Gastroenterology Service (continued)

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DEPARTMENT OF MEDICINE

Gastroenterology Service (continued)

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Gastroenterology Service (continued)

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| Moses F, Stamm C, Peller T, Larsen B, Peller P, Brewer T: Oral low-dose pulse methotrexate (MTX) in primary sclerosing cholangitis. 20th Annual William Beaumont Gastrointestinal Symposium and 9th Army Regional Meeting of the American College of Physicians Meeting, San Francisco, CA, November, 1992. [1410] | Pr |
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Gastroenterology Service (continued)

- Sjogren M: Household transmission of hepatitis C virus. International Symposium of Hepatitis and Liver Diseases, Tokyo, Japan, May, 1993. [1420] Pr
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- Smith M, Maydonovitch C, Wong R: Characteristics of upright reflux: esophageal manometric, 24-hour pH, and clinical data. 94th Annual Meeting of the American Gastroenterological Association, Boston, MA, May, 1993. [1408] Pr
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DEPARTMENT OF MEDICINE

General Medicine Service

- Hahn S, Spitzer R, Williams J, Kroenke K, Linzer M, DeGruy F, Brody D: Psychopathology and the difficult patient in primary care: recognition, prevalence, and impairment. 16th Annual Meeting of the Society of General Internal Medicine, Washington, DC, April, 1993. [1030] Pr
- Hahn S, Spitzer R, Williams J, Kroenke K, Linzer M, DeGruy F, Brody D: Psychopathology and the difficult patient in primary care: recognition, prevalence, and impairment. Clin Res 1993;41:577A. [1030] Ab

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General Medicine Service (continued)

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| Marple R, Lucey C, Kroenke K, Wilder J, Lucas C: A prospective study of the concerns and expectations in patients presenting with common symptoms. 16th Annual Meeting of the Society of General Internal Medicine, Washington, DC, April, 1993. [1029]  | Pr |

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Marple R, Lucey C, Kroenke K, Wilder J, Lucas C: A prospective study of the concerns and expectations in patients presenting with common symptoms. Clin Res 1993;41:579A. [1029]	Ab
Roy M, Herbers J, Kroenke K: When the doctor leaves the patient: transfer of care in the clinic. 9th Army Regional Meeting of the American College of Physicians, San Francisco, CA, November, 1992. [1028]	Pr
Roy M, Herbers J, Kroenke K: When the doctor leaves the patient: transfer of care in the clinic. American College of Physicians 74th Annual Session, Washington, DC, April, 1993. [1028]	Pr
Roy M, Seidman A, Lucas C, Kroenke K, Herbers J: Improving patient satisfaction with the transfer of care: a randomized controlled trial. 16th Annual Meeting of the Society of General Internal Medicine, Washington, DC, April, 1993. [1028]	Pr
Roy M, Seidman A, Lucas C, Kroenke K, Herbers J: Improving patient satisfaction with the transfer of care: a randomized controlled trial. Clin Res 1993;41(2):563A. [1028]	Ab
Roy M: Improving patient satisfaction with the transfer of care: a randomized controlled trial. Graduate Student Colloquium, USUHS, Bethesda, MD, April, 1993. [1028]	Pr
Spitzer R, Williams J, Kroenke K, Linzer M, DeGruy F, Brody D, Matthews D, Kathol R, Mahon C: PRIME-MD. A new system for the evaluation of mental disorders in primary care. 6th Annual National Institute of Mental Health International Research Conference on Primary Care Mental Health Research, Bethesda, MD, October, 1992. [1030]	Pr
Williams J, Spitzer R, Linzer M, Kroenke K, Hahn S, DeGruy F, Brody D: Gender differences in psychopathology and functional impairment in primary care. Clin Res 1993;41:725A. [1030]	Ab
Williams J, Spitzer R, Linzer M, Kroenke K, Hahn S, DeGruy F, Brody D: Gender differences in psychopathology and functional impairment in primary care. 16th Annual Meeting of the Society of General Internal Medicine, Washington, DC, April, 1993. [1030]	Pr

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Hematology-Oncology Service

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- LaRussa V, Polo S, Kessler S, Putnak R: Possible generation of target cells for dengue virus from CD34+ cells in cultures of human marrow. Exp Hematol 1992;20(6):735. [9022-83] Ab
- LaRussa V, Polo S, Kessler S, Putnak R: Possible generation of target cells for dengue virus from CD34+ cells in cultures of human marrow. International Society for Experimental Hematology Meeting, Providence, RI, 1992. [9022-83] Pr
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Infectious Disease Service

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- Gasser R Jr, Magill A, Oster C, Franke E, Grogl M, Berman J: Pentavalent antimonials induce pancreatitis in patients with leishmaniasis. American Society of Tropical Medicine and Hygiene, Seattle, WA, November, 1992. [1965] Pr

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DEPARTMENT OF MEDICINE

Infectious Disease Service (continued)

- Gasser R Jr, Magill A, Oster C, Franke E, Grogl M, Berman J: Pr  
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Society of Air Force Physicians (Air Force Region, American  
College of Physicians), St. Louis, MO, March, 1993. [1965]

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Nephrology Service

- Bohen E, Yeun J, Yuan C, Chen S, Moore J, Pamnani M: Chronic effects Pr  
of DuP573 and enalapril in 25% reduced renal mass rats with  
streptozotocin (STZ)-induced diabetes and hypertension. 25th  
Annual Meeting of the American Society of Nephrology, Baltimore,  
MD, November, 1992. [1167]
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endothelial cells in culture. J Am Soc Nephrol 1993;4:750A.  
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do not stimulate endothelin production by human umbilical vein  
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Nephrology, Jerusalem, Israel, June, 1993. [1165]
- Carome M, Peten E, Elliot S, Moore J, Yang C, Stetler-Stevenson W, Ab  
Striker G, Striker L: Human glomeruli express 72 kDa gelatinase  
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TIMP-2 mRNAs in vivo. J Am Soc Nephrol 1992;3:651.  
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TIMP-2 mRNAs in vivo. 25th Annual Meeting of the American Society  
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intact mouse glomeruli and mesangial cells in vitro: Studies in  
glomerulosclerosis (GS). 12th International Congress of  
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Nephrology Service (continued)

- Carome M, Peten E, Reponen P, Tryggvason K, Striker G, Striker L: 72 kDa gelatinase (72GEL) mRNA is expressed in normal mouse glomeruli in vivo and is up-regulated in sclerotic glomeruli. J Am Soc Nephrol 1992;3:578. [1162] Ab
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- Peten E, Yang C, Carome M, Striker G, Striker L: Phenotypic switch and gene activation in experimental glomerulosclerosis. 12th International Congress of Nephrology, Jerusalem, Israel, June, 1993. [1162] Pr

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DEPARTMENT OF MEDICINE

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Yeun J, Bohlen E, Yuan C, Chen S, Moore J, Pamnani M: Acute effects of DuP753 and enalapril in 25% reduced renal mass rats with streptozotocin-induced diabetes and hypertension. J Am Soc Nephrol 1992;3:770A. [1168] Ab

Yuan C, Kiandoli L, Moore J: Phosphoramidon inhibits endothelin production by endothelial cells exposed to cyclosporine. Clin Res 1992;410:316A. [1163] Ab

DEPARTMENT OF MEDICINE

Pulmonary Disease Service

Argyros G, Torrington K: Presentation of carcinoma metastatic to the thorax and diagnosis with fiberoptic bronchoscopy. Am Rev Resp Dis 1993;147:A524. [1756] Ab

Argyros G: Presentation of carcinoma metastatic to the thorax and diagnosis with fiberoptic bronchoscopy. International Conference of the American Lung Association and the American Thoracic Society, San Francisco, CA, May, 1993. [1756] Pr

Berg B, Dillard T, Derderian S, Rajagopal K: Hemodynamic effects of altitude exposure and oxygen administration in chronic obstructive pulmonary disease. Am J Med 1993;94(4):407-12. [1724] P

Berg B: Hypoxia inhalation testing (HIT): application in COPD and comparison of response variables. 9th Army Regional Meeting of the American College of Physicians, San Francisco, CA, November, 1992. [1749] Pr

Derderian S, Rajagopal K, Culpepper W, Edmond C, Burgess L: Efficacy of cephalometric measurements in the prediction of response to uvulopalatopharyngoplasty (UPPP) in obstructive sleep apnea. 9th Army Regional Meeting of the American College of Physicians, San Francisco, CA, November, 1992. [1707] Pr

Dillard T, Berg B: Air travel and COPD. Sunrise Seminar at International Conference of American Thoracic Society, Miami, FL, 1992. [1724] Pr

Dillard T, Hnatiuk O, McCumber T: Maximum voluntary ventilation. Spirometric determinants in chronic obstructive pulmonary disease patients and normal subjects. J Am Rev Respir Dis 1993;147(4):870-5. [1717] P

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Pulmonary Disease Service (continued)

- Dillard T, Hnatiuk O: Estimation of maximum achievable ventilation using forced expiratory flows in COPD patients. Am Rev Respir Dis 1993;147(4/2):A865. [1717] Ab
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- Dillard T, Rosenberg A, Berg B: Hypoxemia during altitude exposure. A meta-analysis of chronic obstructive pulmonary disease. Chest 1993;103(2):422-5. [1724] P
- Dillard T: Air transport of patients with pulmonary defects. Sunrise Seminar at International Scientific Assembly of the American Thoracic Society, Miami, FL, 1992. [1749] Pr
- Dillard T: Pre-flight evaluation. American Thoracic Society, Symposium on Air Travel and Pulmonary Patients, Assemblies on Nursing and Clinical Problems, San Francisco, CA, May, 1993. [1749] Pr
- Dillard T: Pulse oximetry threshold for oxygen therapy during air transport of patients. 9th Army Regional Meeting of the American College of Physicians, San Francisco, CA, November, 1992. [1724] Pr
- Dillard T: Hypoxemia during altitude exposure: meta-analysis of COPD patients. 9th Army Regional Meeting of the American College of Physicians, San Francisco, CA, November, 1992. [1724] Pr
- Hurwitz K, Roach J, Argyros G, Eliasson A, Phillips Y: Analysis of the refractory period after sequential testing with eucapnic voluntary hyperventilation and methacholine inhalation challenge. The International Meeting of the American Lung Association and the American Thoracic Society, San Francisco, CA, May, 1993. [1752] Pr
- Hurwitz K, Roach J, Argyros G, Eliasson A, Phillips Y: Analysis of the refractory period after sequential testing with eucapnic voluntary hyperventilation and methacholine inhalation challenge. Am Rev Resp Dis 1993;147:A259. [1752] Ab

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Pulmonary Disease Service (continued)

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| Moore L: The effect of acute and chronic diltiazem administration on pulmonary gas exchange and oxygen delivery in severe COPD. 9th Army Regional Meeting of the American College of Physicians, San Francisco, CA, November, 1992. [1740]   | Pr |
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| Rajagopal K: Sleep and nocturnal oxygenation in patients with restrictive pulmonary disease. 9th Army Regional Meeting of the American College of Physicians, San Francisco, CA, November, 1992. [1707]  | Pr |
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Pulmonary Disease Service (continued)

- Roach J, Argyros G, Hurwitz K, Eliasson A, Phillips Y: Eucapnic voluntary hyperventilation (EVH) as a bronchoprovocation technique in asthmatics: comparison with methacholine inhalation challenge. Am Rev Resp Dis 1993;147:A258. [1752] Ab
- Roach J, Argyros G, Hurwitz K, Eliasson A, Phillips Y: Eucapnic voluntary hyperventilation (EVH) as a bronchoprovocation technique in asthmatics: comparison with methacholine inhalation challenge. The International Meeting of the American Lung Association and the American Thoracic Society, San Francisco, CA, May, 1993. [1752] Pr
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- Torrington K, Bilello J, Hopkins T, Hall E: Postoperative pulmonary changes following laparoscopic cholecystectomy. Am Rev Resp Dis 1993;147:A962. [1751] Ab
- Torrington K, Kern J: The utility of fiberoptic bronchoscopy in the evaluation of the solitary pulmonary nodule. Chest 1993;104:1021-4. [1748] P
- Weidner S, Dillard T, Berg B, Mehm W, Phillips Y, Criswell D, Rajagopal K: The effect of upright and supine posture on hypoxemia during air transport. Chest 1993;104(2):90S. [1749] Ab

DEPARTMENT OF MEDICINE

Rheumatology Service

- Goust J, Tsokos G: Systemic lupus erythematosus. In: Virella et al., eds. Introduction to Medical Immunology. 3rd ed. New York: Marcel Dekker, Inc., 1992:437-49. [3711] P

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<u>CITATION*</u>	<u>TYPE**</u>
DEPARTMENT OF MEDICINE Rheumatology Service (continued)	
Goust J, Tsokos G: Tolerance and autoimmunity. In: Virella et al., eds. Introduction to Medical Immunology. 3rd ed. New York: Marcel Dekker, Inc., 1992:397-421. [3711]	P
Lipnick R, Sfikakis P, Klipple G, Tsokos G: Elevated soluble CD8 antigen and soluble interleukin-2 receptor in juvenile rheumatoid arthritis. Clin Immunol Immunopathol 1993;68(1):64-7. [3709]	P
Lipnick R, Sfikakis P, Klipple G, Tsokos G: Elevated soluble CD8 antigen and soluble interleukin-2 receptor in juvenile rheumatoid arthritis. Arthritis Rheum 1992;35:S93. [3711]	Ab
Sfikakis P, McCune B, Tsokos M, Aroni I, Kaklamanis P, Tsokos G: Immunohistologic demonstration of transforming growth factor-B expression in the skin of patients with systemic sclerosis. Clin Immunol Immunopathol 1993;69:199-204. [3709]	P
Sfikakis P, Oglesby R, Charalampopoulos S, Tsokos G: Correlation of elevated levels of soluble intercellular adhesion molecule-1 (sICAM-1) and IL-2 receptor (sIL2R) in the blood of patients with systemic lupus erythematosus. Riv Espanola de Rheumatologia 1993;20:344. [3711]	Ab
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Sfikakis P, Oglesby R, Tsokos G: CD28-B7/BB1 costimulatory pathway is normal in patients with systemic lupus erythematosus. J Immunol 1993;150:101A. [3714]	Ab
Sfikakis P, Tesar J, Baraf H, Lipnick R, Klipple G, Tsokos G: Circulating intercellular adhesion molecule-1 in patients with systemic sclerosis. Clin Immunol Immunopathol 1993;68(1):88-92. [3709]	P
Sfikakis P, Tesar J, Lipnick R, Armstrong J, Klipple G, Tsokos G: Elevated serum levels of soluble intercellular adhesion molecule-1 in patients with systemic sclerosis. Arthritis Rheum 1992;35:S237. [3709]	Ab

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Rheumatology Service (continued)

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| Szentendrei T, Lipnick R, Tsokos G: Beta-adrenergic receptor expression is regulated by cytokines in human B lymphocytes. J Immunol 1993;150:183A. [3711]   | Ab |
| Theocharis S, Sfikakis P, Lipnick R, Klipple G, Tsokos G: Isolation and characterization of in vivo HPRT-mutated T cell clones from patients with systemic lupus erythematosus. J Immunol 1993;150:101A. [3711]   | Ab |
| Theocharis S, Sfikakis P, Lipnick R, Klipple G, Tsokos G: Isolation and characterization of in vivo HPRT-mutated T-cell clones from patients with systemic lupus erythematosus (SLE). Arthritis Rheum 1993;36(9):S71. [3711]                                | Ab |
| Tsokos G, Oglesby R, Theocharis S, Sfikakis P, Baraf H, Via C: Defective in vitro response to recall antigens in patients with systemic lupus erythematosus is corrected in the presence of functional B7/BB1 antigen. Arthritis Rheum 1993;36:S238. [3714] | Ab |
| Tsokos G, Sfikakis P, Klipple G, Lipnick R: Abnormalities of the cellular immune response in systemic lupus erythematosus. J Immunol Immunopharmacol 1993;XIII(2):155-65. [3711]  | P  |
| Tsokos G: Overview of cellular immune function in systemic lupus erythematosus. In: Lahita R, ed. Systemic Lupus Erythematosus, 2nd ed. New York: Churchill Livingstone, Inc., 1992:13-48. [3711]   | P  |
| Tsokos G: Biochemical and molecular abnormalities in systemic lupus erythematosus. Clin Exp Rheum 1992;9:533-9. [3711]  | P  |
| Tsokos G: Pathogenesis of human systemic lupus erythematosus. Clin Immunol Immunopathol 1992;63:3-22. [3711]  | P  |
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Rheumatology Service (continued)

- Vassilopoulos D, Zurier R, Rossetti R, Tsokos G: Effects of unsaturated fatty acids on anti-CD3-mediated cytosolic free calcium increase in human T-cells. Arthritis Rheum 1993;36:S113. [3711] Ab
- Via C, Tsokos G, Bermas B, Clerici M, Shearer G: Multiple T-cell antigen presenting cell interactions in human systemic lupus erythematosus. Evidence for heterogeneous expression of multiple defects. J Immunol 1993;151:3914-22. [3711] P
- Vogelgesang S, Heyes M, Salazar A, Sfrikakis P, Lipnick R, Klipple G, Tsokos G: Quinolinic acid levels in the cerebrospinal fluid of patients with systemic lupus erythematosus: pathogenetic and clinical significance. Arthritis Rheum 1992;35:S60. [3715] Ab

NEUROLOGY SERVICE

- Dew M, Jabbari B: Epilepsy surgery at Walter Reed Army Medical Center. AMEDD Conference, San Antonio, TX, November, 1992. [7144] Pr
- Jabbari B, Bartoszek D: Botulinum toxin in rare movement disorders. AMEDD Conference, San Antonio, TX, November, 1992. [7144] Pr
- Jabbari B, Braiman J: Continuous jerking of an ear associated with a frontal tumor. A rare form of epilepsy partialis continua?. Annual Meeting of the American Epilepsy Society, Seattle, WA, December, 1992. [7144] Pr
- Jabbari B, Braiman J: Continuous jerking of an ear associated with a frontal tumor. A rare form of epilepsy partialis continua?. Epilepsia 1992;72. [7144] Ab
- Jabbari B, Dew M: Epilepsy surgery based on non-invasive monitoring. International Epilepsy Congress, Oslo, Norway, July, 1993. [7144] Pr
- Jabbari B, Polo K: Nimodipine movement disorders. Can J Neurosci 1993;4:214. [7143] Ab
- Jabbari B, Polo K: Nimodipine movement disorders. World Congress of Neurology, Vancouver, Canada, September, 1993. [7143] Pr

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<u>CITATION*</u>	<u>TYPE**</u>
NEUROLOGY SERVICE (continued)	
Kobylarz E, Jabbari B: Epileptic dystonia. AMEDD Conference, San Antonio, TX, November, 1992. [7144]	Pr
Polo K, Jabbari B: Botulinum toxin in hemifacial spasm. AMEDD Conference, San Antonio, TX, November, 1992. [7144]	Pr
DEPARTMENT OF NURSING	
Petrov J: The effect of a self-learning module for cancer pain management on nurses' knowledge, interventions, and patients' pain. Oncology Nursing Society Annual National Congress, Orlando, FL, May, 1993. [7526]	Pr
Rich I: Development of an instrument to measure pregnancy attitudes and ambivalence. Armed Forces District, Nurses' Association of the American College of Obstetrics and Gynecology, Norfolk, VA, November, 1992. [7521]	Pr
DEPARTMENT OF OBSTETRICS AND GYNECOLOGY	
Farley J: Clinical significance of the inflammatory pap smear. Residents' Day Forum, Walter Reed Army Medical Center, Washington, DC, May, 1993. [4304]	Pr
DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES	
Daugirda J: Survivability and infectivity of viscerotropic Leishmania tropica from Desert Storm participants in human blood products maintained under blood bank conditions. Am J Trop Med Hyg 1993;49:308-15. [4813]	P
Daugirda J: Survivability of viscerotropic Leishmania tropica from Desert Storm participants in human blood products maintained at blood bank conditions. Master's Thesis, Bowling Green State University, Bowling Green, Ohio, August, 1993. [4813]	P
Welsh V: A comparison of fresh and rejuvenated red blood cells cryopreserved with hydroxyethyl starch [Master's Thesis]. Tri-Service Blood Bank Fellowship, Walter Reed Army Medical Center, Washington, DC, August, 1993. [4814]	P

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DEPARTMENT OF PEDIATRICS

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| Ashton W, Dykstra K, Francis G: Testosterone increases the in vitro production of insulin-like growth factor-1 and insulin-like growth factor binding protein by neonatal foreskin fibroblasts. Society for Pediatric Research, Washington, DC, May, 1993. [6064]             | Pr |
| Bass J, Steele R, Wittler R: Antimicrobial treatment of occult bacteremia: a multicenter cooperative study. <i>Pediatr Infect Dis J</i> 1993;12(6):466-74. [6223]   | P  |
| Bent R, Wiswell T: Does intubation and suctioning for meconium cause airway damage?. <i>Pediatr Res</i> 1992;31:195A(#1157). [6274]   | Ab |
| Bent R: Does intubation and suctioning for meconium cause airway damage?. Annual Meeting of the Society for Pediatric Research, Baltimore, MD, 1992. [6274]   | Pr |
| Curley M, Betz J, Nickels D, Poth M: Free radical production in a diabetic rat model as measured by urinary 8-isoprostane: correlation with hyperglycemia. American Diabetes Association 53rd Annual Meeting, Las Vegas, NV, June, 1993. [6321]                               | Pr |
| Curley M, Payne M, Betz J, Poth M: Lipid preoxidation in the diabetic rat model - A comparison of two methods. 4th Joint Meeting of the Lawson-Wilkins Pediatric Endocrine Society and the European Society of Pediatric Endocrinology, San Francisco, CA, June, 1993. [6321] | Pr |
| Curtis J, O'Neill J, Payne M, Pettett P: Comparison of intravenous and endotracheal tolazoline. Meeting of the Southern Society for Pediatric Research, New Orleans, LA, 1992. [6295]   | Pr |
| Curtis J, O'Neill J, Pettett P: Comparison of intravenous and endotracheal tolazoline. Uniformed Services Pediatric Seminar, Uniformed Services University of the Health Sciences, Bethesda, MD, 1992. [6295]   | Pr |
| Curtis J, O'Neill J, Pettett P: Comparison of intravenous and endotracheal tolazoline. Society for Pediatric Research Meeting, Baltimore, MD, 1992. [6295]  | Pr |
| Curtis J, O'Neill J, Pettett P: Endotracheal administration of tolazoline in hypoxia-induced pulmonary hypertension. <i>Pediatrics</i> 1993;92(3):403-8. [6295]   | P  |

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<u>CITATION*</u>	<u>TYPE**</u>
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Darling B, Pettett P, Payne M, Gallagher K, O'Neill J: Hypoglycemia and developmental differences in the release of excitatory amino acids. <i>Pediatr Res</i> 1993;33(4):45A. [6332]	Ab
Darling B, Pettett P, Payne M, Gallagher K, O'Neill J: Hypoglycemia and developmental differences in the release of excitatory amino acids. Committee on Military Perinatal Medicine, Aspen, CO, September, 1993. [6332]	Pr
Dykstra K, Payne M, Abdel-Rahim M, Francis G: Insulin-like growth factor-1 but not growth hormone has in vitro proliferative effects on neonatal foreskin fibroblasts without affecting 5-reductase or androgen receptor activity. <i>J Androl</i> 1993;14:73-8. [6064]	P
Nickels D, Poth M: Lack of effect of growth hormone on diabetic nephropathy in the rat. <i>Pediatr Res</i> 1993;33:194A. [6291]	Ab
Nickels D, Poth M: Somatostatin increases glomerular PG E2 production in diabetic and normal rats. <i>Pediatr Res</i> 1993;33(suppl):S77. [6327]	Ab
Nickels D, Poth M: Somatostatin increases glomerular PG E2 production in diabetic and normal rats. 4th Joint Meeting of the Lawson-Wilkins Pediatric Endocrine Society and the European Society for Pediatric Endocrinology, San Francisco, CA, June, 1993. [6327]	Pr
Nickels D, Sabnis S, Antonovych T, Poth M: Effect of chronic growth hormone administration on diabetic nephropathy in the rat. <i>Ann Clin Lab Sci</i> 1993;23(6):462-8. [6291]	P
Nickels D, Schwab N, Poth M: Effects of somatostatin and captopril on glomerular prostaglandin E2. <i>Prostaglandins</i> 1993;46(1):61-73. [6327]	P
Phillips-Dawkins T, Wilson S, Anderson L, Weisman L: The effect of parenteral lipid on neonatal coagulase negative staphylococcal sepsis. <i>Ped Res</i> 1993;33:294A(abstract #1746). [6299]	Ab
Phillips-Dawkins T: The effect of parenteral lipid on neonatal coagulase negative staphylococcal sepsis. Annual Meeting of the Society for Pediatric Research, Washington, DC, May, 1993. [6299]	Pr

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Raszka W, Shoupe B, Edwards E: Isolated primary cutaneous aspergillosis of the labia. Med Pediatr Oncol 1993;21:375-8. [6305]	P
Raszka W, Skillman L, McEvoy P: Potential role of trimethoprim-sulfamethoxazole in the treatment of pediatric mycobacterium avium complex infections [Letter]. Pediatr Infect Dis 1993;12:418-9. [6306]	P
Raszka W, White C, Snow K, Drabick C: Differential ability of three latex agglutination kits to detect four conjugated H. influenzae type B vaccines in urine. Clin Res 1992;40:787A. [6298]	Ab
Raszka W: High frequency of trimethoprim-sulfamethoxazole susceptibility in clinical isolates of M. avium complex (MAC). 32nd International Congress of Antimicrobial Agents and Chemotherapy, Anaheim, CA, October, 1992. [6306]	Ab
Watson M, Betz J, Francis G: Evidence suggesting activated macrophages produce a factor(s) which inhibit(s) Leydig's cell testosterone production by more than one intracellular mechanism. Uniformed Services Section, American Academy of Pediatrics, San Antonio, TX, February, 1993. [6257]	Pr
Watson M, Betz J, Newman R, Francis G: Activated macrophages produce a factor(s) which directly inhibits in vitro Leydig's cell testosterone production. Satellite Symposium on Gonadotropins, GnRH, GnRH Analogs, and Gonadal Peptides, Paris, France, 1992. [6257]	Pr
Watson M, Poth M, Francis G: Ng-Monomethyl-L-Arginine directly stimulates in vitro Leydig's cell testosterone production. 4th Joint Meeting of the Lawson-Wilkins Pediatric Endocrine Society and the European Society for Pediatric Endocrinology, San Francisco, CA, June, 1993. [6257]	Pr
Wiswell T, Hachey W: Urinary tract infections and the uncircumcised state: a meta-analysis. Annual Meeting of the Society for Pediatric Research, Baltimore, MD, 1992. [6304]	Pr
Wiswell T, Hachey W: Urinary tract infections and the uncircumcised state: a meta-analysis. Ped Res 1992;31:103A(#603). [6304]	Ab

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- Wiswell T, Hachey W: Urinary tract infections and the uncircumcised state: an update. Ped Res 1992;31:103A(#604). [6304] Ab
- Wiswell T, Hachey W: Urinary tract infections and the uncircumcised state: an update. Clin Pediatr 1993;32(3):130-4. [6304] P
- Wiswell T, Tencer H, Welch C, Chamberlain J: Post-neonatal circumcision: a population profile. Annual Meeting of the Society for Pediatric Research, Washington, DC, May, 1993. [6320] Pr
- Wiswell T, Tencer H, Welch C, Chamberlain J: Post-neonatal circumcision. Pediatr Res 1993;33:96A. [6320] Ab
- Wiswell T, Tencer H, Welch C, Chamberlain J: Circumcision in children beyond the neonatal period. Pediatrics 1993;92(6):791-3. [6320] P

DEPARTMENT OF PEDIATRICS

Pediatric Hematology-Oncology Service

- Butcher M, Frenck R, Paderanga D, Maybee D, Shannon K: Chromosome 7 heterozygosity in juvenile chronic myelogenous leukemia. Blood 1992;80(10 suppl 1):113a. [6213] Ab
- Maybee D, Dubowy R, Krischer J, Lucas M, Weinstein H: Toxicity of high dose alpha interferon in children with Philadelphia chromosome positive chronic myelogenous leukemia: a pediatric oncology group study. Proceedings of the Annual Meeting of the American Society of Clinical Oncology 1993;12:A1074. [6213] Ab
- Maybee D, Dubowy R, Krischer J, Buchanon G, Bowman W, Dickerman J, Hakai N, Laver J, Steuber P, Toledano S, Vietti T, Wilkinson R: Unusual toxicity of high dose interferon in the treatment of juvenile chronic myelogenous leukemia. Proceedings of the American Society of Clinical Oncology 1992;11:285(abstract 950). [6213] Ab
- Maybee D, Dubowy R, Pollock B, Lucas M, Weinstein H: Inadequacy of standard toxicity criteria in evaluating complications of high-dose alpha interferon in children with Philadelphia chromosome positive chronic myelogenous leukemia. Proceedings of the American Society of Pediatric Hematology and Oncology 1993;2:46. [6213] Ab

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PHYSICAL MEDICINE AND REHABILITATION SERVICE

- Braverman S, Davis W, Kirk K, Engler R, Belandres P: High dose intravenous immunoglobulin for chronic demyelinating polyneuropathy. Arch Phys Med Rehabil 1992;73(10):1001. [9621] Ab
- Braverman S, Davis W, Kirk K, Engler R, Belandres P: High dose intravenous immunoglobulin for chronic demyelinating polyneuropathy. 54th Annual Assembly of the American Academy of Physical Medicine and Rehabilitation and the American Congress of Rehabilitation Medicine, San Francisco, CA, November, 1992. [9621] Pr
- Braverman S, Davis W, Kirk K, Engler R, Belandres P: High dose intravenous immunoglobulin for chronic demyelinating polyneuropathy. Clinical Investigator Recognition Seminar, Walter Reed Army Medical Center, Washington, DC, March, 1993. [9621] Pr
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- Cheevers T: Characteristics and correlates of outpatient group therapy participants selected by PGY-3 psychiatry residents. Research Symposium, Walter Reed Army Medical Center, Washington, DC, June, 1993. [7247] Pr
- Hall D, Benedek D, Chang A: Intra-daily mood variance in depression. 146th Annual Meeting of the American Psychiatric Association Abstracts 1993; NR 152. [7245] Ab
- Hall D, Benedek D: Adjustment disorder criteria [Letter]. Hosp Comm Psychiatry 1993;44:592. [7245] P
- Joslin S: An outcome study of schizophreniform disorder diagnosed at Walter Reed Army Medical Center: interim findings. Grand Rounds, Walter Reed Army Medical Center, Washington, DC, June, 1993. [7251] Pr

DEPARTMENT OF RADIOLOGY

- Earls J, Dachman A, Colon E, Garrett M, Molloy M: Prevalence and duration of postoperative pneumoperitoneum: sensitivity of CT vs left lateral decubitus radiography. Am J Roentgenol 1993;161:781-5. [4700] P
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DEPARTMENT OF SURGERY

Anesthesia-Operative Service

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Anesthesia-Operative Service (continued)

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DEPARTMENT OF SURGERY

Army Audiology and Speech Center

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- Grant K, Walden B: Evaluating the articulation index for auditory-visual consonant recognition. J Acoust Soc Am 1993;94:1187. [2514] Ab
- Leek M, Summers W, Cord M: The internal signal-to-noise ratio in hearing-impaired listeners. J Acoust Soc Am 1993;93:2367. [2588] Ab
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- McClearn M, Clay J: Lip muscle activation and motor unit firing rates during simple speech utterances. Soc Neurosciences;19:553. [2519] Ab
- McClearn M, Levandowski D, Cord M: Timing of structural movements in the fluent speech of stutterers. Asha;35:168. [2518] Ab
- McClearn M: Kinematic and reflex analysis of adult stutterers' speech. Invited presentation to the Department of Speech and Hearing Sciences, Indiana University, Bloomington, IN, 1992. [2510] Pr

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McClearn M: Analysis of lip muscle reflexes during speech preparation in stutterers. Asha;35:142. [2518]	Ab
Summers W, Leek M: Frequency resolution and the detection of spectral contrast in hearing-impaired listeners. J Acoust Soc Am 1993;94:1811. [2515]	Ab
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Surr R, Cord M: Comparison of linear class D and k-amp hearing aid fittings by experienced hearing aid users. Audiology Today 1993;5:50. [2520]	Ab
Thompson P, McClearn M, Summers W: Discriminant analysis of stop consonant spectra in dysarthria. The American Speech-Language-Hearing Association Convention, San Antonio, TX, November, 1992. [2516]	Pr
DEPARTMENT OF SURGERY	
Critical Care Medicine Service	
Stoltzfus D, Kuzma P: Capnography directed ventilation during intrahospital transport. Crit Care Med 1992;20(4):S29. [3008]	Ab
Stoltzfus D: Capnography directed ventilation during intrahospital transport of critically ill, mechanically ventilated patients. 4th AMEDD Clinical Investigation Postgraduate Short Course, San Antonio, TX, 1992. [3008]	Pr
Stoltzfus D: Capnography directed ventilation during intrahospital transport of critically ill, mechanically ventilated patients. Society of Critical Care Medicine, San Antonio, TX, 1992. [3008]	Pr
Stoltzfus D: Capnography directed ventilation during intrahospital transport of critically ill, mechanically ventilated patients. Clinical Investigator's Recognition Seminar, Walter Reed Army Medical Center, Washington, DC, 1992. [3008]	Pr

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DEPARTMENT OF SURGERY Ophthalmology Service	
Cavallaro B, Hollifield R, Ward T, Wertz F: The medical implications of intraocular ballistic and laser protective spectacles (BLPS) fragments. Annual Meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL, May, 1993. [2318]	Pr
Cavallaro B, Hollifield R, Ward T, Wertz F: Medical implications of intraocular BLPS fragments. Lasers on the modern battlefield. Brook Air Force Base, TX, February, 1993. [2318]	Pr
Cavallaro B, Hollifield R, Ward T, Wertz F: The medical implications of intraocular BLPS fragments. DOD Laser Safety Systems Working Group, Annapolis, MD, 1992. [2318]	Pr
Cavallaro B, Hollifield R, Ward T, Wertz F: The medical implications of intraocular BLPS fragments. Personal Eye Protections Against Directed Energy Threats Program Review, Natick Labs, Natick, MA, 1992. [2318]	Pr
Puckett T, Miller M, Peele K, Kramer K: Intraocular irrigating solutions: a clinical trial of BSS Plus and dextrose bicarbonate lactated Ringer's solution. Annual Meeting of the Association for Research in Vision and Ophthalmology, Sarasota, FL, May, 1993. [2317]	Pr
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DEPARTMENT OF SURGERY Organ Transplant Service	
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DEPARTMENT OF SURGERY Orthopaedic Surgery Service	
Beauschesne R, Xenos J, Engh C, Hopkinson W: Aggressive osteolysis in stable cementless acetabular components with perforations in the metal backing. Society of Military Orthopaedic Surgeons, Colorado Springs, CO, December, 1992. [2434]	Pr

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DEPARTMENT OF SURGERY

Orthopaedic Surgery Service (continued)

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| Brown M: The effect of extracorporeal shockwaves on bone and soft tissue in rabbits. Annual Hufnagel Award Competition, Uniformed Services University of the Health Sciences, Bethesda, MD, April, 1993. [2435]  | Pr |
| Hayda R, McHale K, Lower R, Romash M: Open injuries to the foot and ankle in modern warfare: an analysis of Desert Storm casualties. American Academy of Orthopaedics Annual Meeting, San Francisco, CA, February, 1993. [2433]                          | Pr |
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| Popovic N, Brown M, Van Dam B, Sweet D: Preliminary data on the effects of extracorporeal shockwaves on bone and soft tissue in rabbits. Meeting of the International Osteostar Users, Erlangen, Germany, October, 1992. [2435]                          | Pr |
| Xenos J, Hopkinson W, Heekin R, Callaghan J, Savory C: Thigh pain in uncemented primary total hip arthroplasty. Society of Military Orthopaedic Surgeons, Colorado Springs, CO, December, 1992. [2434]   | Pr |
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| Xenos J, Hopkinson W, Mulligan M, Olson E, Popovic N: The tibiofibular syndesmosis: evaluation of the ligamentous structures and methods of radiographic assessment. American Academy of Orthopaedic Surgeons, San Francisco, CA, February, 1993. [2432] | Pr |

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Orthopaedic Surgery Service (continued)

- Xenos J, Hopkinson W, Mulligan M, Olson E, Popovic N: The tibiofibular syndesmosis: evaluation of the ligamentous structures and methods of radiographic assessment. The American Orthopaedic Society for Sports Medicine, San Francisco, CA, February, 1993. [2432] Pr
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Urology Service

- Barry M, Cockett A, Holtgrewe H, McConnell J, Sihelnik S, Winfield H: Relationship of symptoms of prostatism to physiologic and anatomic measures of the severity of benign prostatic hyperplasia. J Urol 1993;150:351-8. [2865] P
- Cockett A, Barry M, Holtgrewe H, Sihelnik S, Williams R, McConnell J: Indications for treatment of benign prostatic hyperplasia: The American Urological Association study. Cancer 1992;70:280-3. [2865] P
- Kuhn E, Kurnot R, Sesterhenn I, Chang E, Moul J: Expression of the c-erbB-2 oncoprotein in prostate cancer. J Urol 1993;150:1427-33. [2860] P
- Moul J, Foley J, Hitchcock C, McCarthy W, Sesterhenn I, Becker R, Griffin J: Flow cytometric and quantitative histological parameters to predict occult disease in clinical stage I nonseminomatous testicular germ cell tumors. J Urol 1993;150(3):879-83. [2862] P
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Urology Service (continued)

Moul J, Lance R, Theune S, Bishoff J: Probing the molecular machine that drives PCA. Contemp Urol 1992;4(5):62-7. [2860]	P
Moul J:        molecular biology of prostate cancer. Urology Grand Rounds. George Washington University, Washington, DC, 1992. [2860]	Pr
Moul J: The molecular biology of prostate cancer. Visiting Professor, University of South Florida, Tampa, FL, 1992. [2860]	Pr
Moul J: Pitfalls in the diagnosis and treatment of testicular cancer. Visiting Professor, University of South Florida, Tampa, FL, 1992. [2860]	Pr
Moul J: The expression of the c-erbB-2 oncoprotein in human prostate cancer. NIH International Symposium on the Biology of Prostate Growth, Bethesda, MD, 1992. [2860]	Pr
Moul J: Flow cytometric and quantitative histologic parameters to predict occult disease in clinical stage I nonseminomatous testicular germ cell tumors. Eastern Cooperative Oncology Group Meeting, Baltimore, MD, 1992. [2862]	Pr
Moul J: Flow cytometric proliferative activity to predict occult disease in clinical stage I nonseminomatous testicular germ cell tumors. 50th Mid-Atlantic Section of the American Urologic Association Annual Meeting, Williamsburg, VA, 1992. [2862]	Pr
Moul J: Various gene markers and the management of prostate cancer. Triton Diagnostics Corporation, Alameda, CA, October, 1992. [2860]	Pr
Moul J: The molecular biology of prostate cancer: what the clinician needs to know now. Controversies in the Diagnosis and Management of Prostate and Bladder Cancer Conference, Orlando, FL, October, 1992. [2860]	Pr
Moul J: The molecular biology of prostate cancer: what the clinician needs to know now. Visiting Professor, Department of Pathology Grand Rounds, Medical College of Virginia, Richmond, VA, November, 1992. [2860]	Pr

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DEPARTMENT OF SURGERY

Urology Service (continued)

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| Moul J: Flow cytometric and quantitative histologic parameters to predict occult disease in clinical stage I nonseminomatous testicular germ cell tumors. Podium Session, 88th Annual Meeting of the American Urologic Association, San Antonio, TX, May, 1993. [2862] | Pr |
| Moul J: Prognostic factors in low stage testicular nonseminoma. Invited Visiting Professor, University of Iowa, Iowa City, IA, September, 1993. [2862]   | Pr |
| Moul J: Molecular biology of prostate cancer. Invited Visiting Professor, University of Iowa, Iowa City, IA, September, 1993. [2860]   | Pr |

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HIV RESEARCH

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| Drabick J, Birx-Raybuck D, Ovadia R, Redfield R, Oster C.<br>Cimetidine as an immunoaugmenting agent in advanced<br>HIV infection. Clin Res 1992;40:383A<br>[8807]  | Ab |
| Jabbari B, Coats M, Salazar A, Martin A, Scherokman B, Laws W.<br>Longitudinal study of EEG and evoked potentials in<br>neurologically asymptomatic HIV infected subjects.<br>Electroencephalogr Clin Neurophysiol 1993;86(3):145-51.<br>[7128]   | P  |
| Laws W, Martin A, Kampen D, Salazar A, Mapou R. Symptoms of<br>depression in HIV-infected individuals: etiological<br>considerations. Neuropsychiat Neuropsychol Behav Neurol<br>1993;6:181-6.<br>[7128]  | P  |
| Mapou R, Kay G, Rundell J, Temoshok L. Measuring performance<br>decrements in aviation personnel infected with the human<br>immunodeficiency virus. Aviat Space Environ Med 1993; 64:<br>158-64.<br>[7128]  | P  |
| Mapou R, Laws W., Martin A, Kampen D, Salazar A, Rundell J,<br>Neuropsychological performance, mood, and complaints of<br>cognitive and motor difficulties in individuals infected<br>with the human immunodeficiency virus. J Neuropsychiatry<br>Clin Neurosci 1993;6:181-6.<br>[7128] | P  |
| Martin A, Heyes M, Salazar A, Laws W, Williams J. Impaired<br>motor-skill learning, slowed reaction time, and elevated<br>cerebrospinal-fluid-guinalinic acid in a subgroup of HIV-<br>infected individuals. Neuropsychol 1993;7:149-57.<br>[7128]                                      | P  |

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DEPARTMENT OF MEDICINE  
Cardiology Service

- Cantilena L, Smith, R, Frasure S, Kruszyna H, Kruszyna R, Wilcox D. Nitric oxide hemoglobin in patients receiving nitroglycerin as detected by electron paramagnetic resonance spectroscopy. J Lab Clin Med 1992;120(6):902-7. [1263] P
- Weston L, Hull R, Laird J, Chin Y, Wortham D. A phenotype coronary electrode catheter for intracoronary electrogram. Am J Cardiol 1992;70(18):1492-3. [1266] P

DEPARTMENT OF MEDICINE  
Endocrine-Metabolic Service

- Bhatia S, Lukes Y, Kuppers R, Rose N. Sequence analysis of antigenic determinants of thyroglobulin. Thyroid 1993; 3(suppl 1):126. [1316-89] Ab
- Carr F, Fisher C, Fein H, Smallridge R. Thyrotropin-releasing hormone stimulates c-jun and c-fos messenger ribonucleic acid levels: implications for calcium mobilization and protein kinase-C activation. Endocrinology 1993;133: 1700-6. [1393-87] P
- Deschamps B, Lawless D, Carr F, Wong N. Rat hepatonuclear factor, PS-1, regulates tissue-specific activity of the S14 promoter in vitro. J Biol Chem 1992;267:25167-73. [1393-82] P
- Hockmeyer M, Flatter C, Duncan W. Do self-efficacy beliefs predict diabetes self-care? 75th Annual Meeting of the Endocrine Society, Las Vegas, NV, June, 1993. [1317-89] Pr

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DEPARTMENT OF MEDICINE

Endocrine-Metabolic Service (continued)

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| Nagy E, Burch H, Burman K. Unidirectional shift of the dominant T cell epitope in the human thyrotropin receptor in Graves' disease. Thyroid 1993;3(suppl 1):114. [1316-89]                          | Ab |
| Peele M, Carr F, Baker J, Wartofsky L, Burman K. TSH beta subunit gene expression in human lymphocytes. Am J Med Sci 1992;305(1):1-7. [1393-87]  | P  |
| Solomon B, Fein H, Smallridge R. Usefulness of antimicrosomal antibody in the diagnosis and treatment of postpartum thyroiditis. J Family Practice 1993;36(2):177-82. [4221]                         | P  |
| Wong N, Carr F. Members of the thyroid/steroid receptor superfamily that regulate apolipoprotein A1 gene expression. Transcription of the Keystone Symposium, Keystone, CO, January, 1993. [1393-87] | Ab |
| Wong N, Carr F. Members of the thyroid/steroid receptor superfamily that regulate apolipoprotein A1 gene expression. Keystone Symposium, Keystone, CO, January, 1993. [1393-87]                      | Pr |
| Wong N, Raymond J, Carr F. A liver-specific nuclear protein represses transcription of the S14 gene in vitro and in vivo. J Biol Chem 1993;268:1-5. [1397-87]  | P  |

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DEPARTMENT OF MEDICINE

Gastroenterology Service

Phillips R, Kikendall J, Luk G, Willis S, Murphy J, P  
Maydonovitch C, Bowen P, Sapuntzakis M, Wong R. Beta  
carotene inhibits rectal mucosal ornithine decarboxylase  
activity in colon cancer patients. Cancer Research 1993;  
53:3723-5.  
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DEPARTMENT OF MEDICINE

General Medicine Service

Kroenke K, Lucas C, Rosenberg M, Scherokman B, Herbers J, P  
Wehrle P, Boggi J. Causes of persistent dizziness:  
a prospective study of 100 patients in ambulatory care.  
Ann Intern Med 1992;117(11):898-904.  
[1026]

DEPARTMENT OF MEDICINE

Hematology-Oncology Service

Antman K, Crowley J, Balcerzek S, Rivkin S, Weiss G, Elias A, P  
Natale R, Cooper M, Barlogie B, Trump D, Doroshow J,  
Aisner J, Pugh R, Weiss R, Cooper B, Clamon G, Baker L.  
An intergroup Phase III randomized study of doxorubicin  
and dacarbazine with or without ifosfamide and mesna in  
advanced soft tissue and bone sarcomas. J Clin Oncol  
1993;11:1276-85.  
[1564-87]

Canellos G, Anderson J, Propert K, Nissen N, Cooper M, Henderson P  
E, Green M, Gottlieb A, Peterson B. Chemotherapy of  
advanced Hodgkin's disease with MOPP, ABVD, or MOPP  
alternating ith ABVD. N Engl J Med 1992;327(21):1478-84.  
[1506-82]

Hargis J, Anderson J, Propert K, Green M, Van Echo D, Weiss R. P  
Predicting genitourinary toxicity in patients receiving  
cisplatin-based combination chemotherapy. Cancer Chemother  
Pharmacol 1992;30:291-6.  
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DEPARTMENT OF MEDICINE

Hematology-Oncology Service (continued)

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| Holland J. Comparison of psychosocial adaptation and sexual function of survivors of advanced Hodgkin's disease treated by MOPP, ABVD, or MOPP alternating with ABVD. Cancer 1992; 70:2508-16. [1540-85]  | P  |
| Kornblith A, Anderson J, Cella D, Tross S, Zuckerman E, Cherin E, Henderson E, Canellos G, Kosty M, Cooper M, Weiss R, Gottlieb A, Holland J. Hodgkin's disease survivors at increased risk for problems in psychosocial adaptation. Cancer 1992;70:2214-24. [1539-85]                          | P  |
| Newman R, Peterson B, Davey F, Brabyn C, Collins H, Brunetto V, Duggan D, Weiss R, Royston I, Millard F, Miller A, Bloomfield C. Phenotypic markers and BCL-1 gene rearrangements in B-cell chronic lymphocytic leukemia: a Cancer and Leukemia Group B study. Blood 1993;82:1239-46. [1576-87] | P  |
| Perry J, Shemano I, Weiss R, Duggan D, Henderson I. A Phase II trial of high dose toremifene in estrogen and progesterone receptor negative metastatic breast cancer. Breast Cancer Res Treat 1992;23:169 [1502-89]   | Ab |
| Poillon W, Kim B, Hicks C, Kark J. Red cell hydration and the antisickling effect of 2,3-DPG depletion. Blood 1992; 80:79A. [1659-88]   | Ab |
| Sandler D, Shore D, Anderson J, Davey F, Arthur D, Mayer R, Silver R, Weiss R, Trump D, Schiffer C, Wurster-Hill D, McIntyre O, Bloomfield C. Cigarette smoking and risk of acute leukemia: associations with morphology and cytogenetics. J Natl Cancer Inst 1993;85:1994-2003. [1544-86]      | P  |

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DEPARTMENT OF MEDICINE

Pulmonary Disease Service

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| Argyros G. Water loss without heat flux in exercise induced asthma. 1st National Conference on Asthma Management, Crystal City, VA, October, 1992.<br>[1728]  | Pr |
| Argyros G, Phillips Y, Rayburn D, Rosenthal R. Respiratory water loss without heat flux in exercise-induced asthma. 9th Army Regional Meeting of the American College of Physicians, San Francisco, CA, November, 1992.<br>[1728]   | Pr |
| Argyros G, Phillips Y, Rayburn D, Rosenthal R, Jaeger J. Water loss without heat flux in exercise-induced bronchospasm. Am Rev Resp Dis 1993;147(6 Pt 1):1419-24.<br>[1728]   | P  |
| Derderian S, Hamm C, Rajagopal K. Hemodynamic changes after uvulopalatopharyngoplasty. Chest 1992;102:53S.<br>[2584]  | Ab |
| Derderian S, Hamm C, Rajagopal K. Hemodynamic changes after uvulopalatopharyngoplasty (UPPP). 58th International Scientific Assembly of the American College of Chest Physicians, Chicago, IL, October, 1992.<br>[2584]   | Pr |
| Dillard T. Exercise physiology in COPD. Meet the Professor Seminar, American Thoracic Society, San Francisco, CA, May, 1993.<br>[1738]  | Pr |
| Eisenhauer M, Eliasson A, Taylor A, Wortham D, Hull R. Incidence of cardiac arrhythmias during IV pentamidine in HIV-infected patients. 9th Army Regional Meeting of the American College of Physicians, Army Associate First Place Award, San Francisco, CA, November, 1992.<br>[1738] | Pr |

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DEPARTMENT OF MEDICINE

Pulmonary Disease Service (continued)

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- Eliasson A, Poropatich K, Howard R, Phillips Y. PFT parameters in bronchoprovocation tests. Am Rev Resp Dis 1993;147:A. [1722] Ab
- Hnatiuk O, Pike J, Stoltzfus D, Lane W. Value of bedside plating of semiquantitative cultures for diagnosis of central venous catheter-related infections in ICU patients. Chest 1993; 103(3):896-9. [3006] P
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<b>PHYSICAL MEDICINE AND REHABILITATION SERVICE</b>	
Dillingham T, Spellman N, Belandres P. Trigeminal motor nerve conduction: deep temporal and mylohyoid nerves. Muscle and Nerve 1993;16(10):1115. [9624]	Ab
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Grant K, Walden B. Evaluating the articulation index for auditory-visual consonant recognition;94:1887. [2528]	Ab
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Urology Service

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<u>CITATION</u>	<u>TYPE*</u>
<b>ALLERGY-IMMUNOLOGY SERVICE</b>	
Craig T, Sitz K, Squire E, Smith L, Carpenter G: Vocal cord dysfunction during wartime. Mil Med 1992;157(11):614-6.	P
Davis W, Murchland M, Beard J, Craig T: The true story of the pilot who was itching to fly. J Allergy Immunol 1992;90 (6 Pt 1):1010-1.	P
Engler R, Mangiafico J, Jahrling P, Ksiazek T, Pedrotti-Krueger M, Peters C: Venezuelan equine encephalitis-specific immunoglobulin responses: live attenuated TC-83 versus inactivated C-84 vaccine. J Med Virol 1992;38(4):305-10.	P
Hatch R, Carpenter G, Smith L: Treatment options in the child with a chronic cough. Drugs 1993;45(3):367-73.	P
Hatch R, Parker J, Engler R: Wheezing, hypoxia, and dyspnea in a 62-year-old woman. Ann Allergy 1993;70(5):363-7.	P
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Salata K: Allergy: principles and practice. Lancet 1993;342 (8871):605.	Ab
<b>HIV RESEARCH</b>	
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Roy M, Damato J, Burke D: Absence of true sero-reversion of HIV-1 antibody in seroreactive individuals. JAMA 1993;269(22):2876-9.	P
Tramont E, Burke D: AIDS/HIV in the US military. Vaccine 1993;11(5):529-33.	P
DEPARTMENT OF MEDICINE Cardiology Service	
Kirby W, Laird J Jr, Lovett E Jr, Farrell P Jr: Fixed-wire balloon dilation of critical pulmonary stenosis. Am Heart J 1993;125(6):1766-7.	P
Moore J, Lovett E, Kirby W: Gastrointestinal hemorrhage after combined percutaneous angioplasty of aortic coarctation and valvuloplasty of aortic stenosis in an infant. Pediatr Cardiol 1993;14(1):53-5.	P
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Yee L, Williams G, Gaither N, Zurcher R: Diagnosis of acute intraoperative pulmonary thromboembolism by transesophageal echocardiography. Am Heart J 1993;125(1):262-3. P

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Saad R, Sau P, Mulvaney M, James W: Intravenous pyogenic granuloma. Int J Dermatol 1993;32(2):130-2. P

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- Vogel P, James W: Lichen planus of the eyelid: an unusual clinical presentation. J Am Acad Dermatol 1992;27(4):638-9. P
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Endocrine-Metabolic Service

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- Burch H, Clement S, Sokol M, Landry F: Reactive hypoglycemic coma due to insulin autoimmune syndrome. Am J Med 1992;92:681-5. P
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| Francis T, Smallridge R, Kane J, Magner J: Octreotide changes serum TSH glycoisomer distribution as assessed by lectin chromatography in a TSH macroadenoma patient. J Clin Endocrinol Metab 1993;77:183-7.  | P  |
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| Glass A, Taibleson D, Imperato J, Pierach C, Kassirer J: Pharmaceutical advertising in the journal [Letter]. N Engl J Med 1992;327(23):1688-9.   | P  |
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Endocrine-Metabolic Service (continued)

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Gastroenterology Service

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Crespo I, Wong R, Murphy J, Maydonovitch C: Mesenteric vein thrombosis and protein C deficiency mimicking Crohn's disease. Am J Gastroenterol 1992;87(9):1337.	Ab
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Shay S: Regurgitation. In: Castell D, ed. The Esophagus. Boston: Little, Brown, 1992:571-8.	P
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Smith M, Kikendall J, Wong R, Maydonovitch C: Refractory benign esophageal stricture associated with sulindac use. Am J Gastroenterol 1992;87(9):1258.	Ab
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Gastroenterology Service

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Hematology-Oncology Service

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- Ward F, Weiss R: Managing lymphoma during pregnancy. Adv Oncol 1992;8(3):18-22. P
- Weiss R: Hypersensitivity reactions. Semin Oncol 1992;19(5):458-77. P
- Weiss R: Idarubicin, a third anthracycline for acute leukemia. Contemp Oncol 1992;2:30-9. P

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Weiss R: Idarubicin vs. daunorubicin. Contemp Oncol 1992;2(9): 60-2.	P
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Weiss R, Vogelzang N, Peterson B, Panasci L, Carpenter J, Gavigan M, Sartell K, Frei E, McIntyre O: A successful system for scientific data audits: a report from the Cancer and Leukemia Group B. JAMA 1993;270(4):459-64.	P
Weiss R, Vogelzang N, Peterson B, Panasci L, Norton L, Gavigan M, Sartell K, Frei E: The scientific data audit system of the Cancer and Leukemia Group B (CALGB). Accountabil Res Pol Qual Assur 1992;2:13-22.	P
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Infectious Disease Service	
Armonda A, Fleckenstein J, Brandvold B, Ondra S: Cryptococcal skull infection: a case report with review of the literature. Neurosurgery 1993;32:1034-6.	P
Aronson N: Disseminated sporotrichosis. JAMA 1992;268:2021.	P
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<b>DEPARTMENT OF MEDICINE</b>	
Infectious Disease Service (continued)	
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<u>CITATION</u>	<u>TYPE*</u>
DEPARTMENT OF MEDICINE Infectious Disease Service (continued)	
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<u>CITATION</u>	<u>TYPE*</u>
NEUROLOGY SERVICE (continued)	
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DEPARTMENT OF PATHOLOGY AND AREA LABORATORIES	
Branton P, Tavassoli F: Spindle cell epithelioma, the so-called mixed tumor of the vagina. A clinicopathologic, immuno-histochemical, and ultrastructural analysis of 28 cases. Am J Surg Pathol 1993;17(5):509-15.	P
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Sigmon J: Basic principles of the ABO and Rh blood group systems for hemapheresis practitioners. J Clin Apheresis 1992;7(3): 158-62.	P
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PHYSICAL MEDICINE AND REHABILITATION SERVICE	
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Lande R: The video violence debate. Hosp Community Psychiatry 1993;44(4):347-51.	P
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Lyon R, McAdams H: Mediastinal bronchogenic cyst: demonstration of a fluid-fluid level at MR imaging. Radiology 1993;186(2):427-8.	P
Mulligan M, Kransdorf M: Sequestra in primary lymphoma of bone: prevalence and radiologic features. Am J Roentgenol 1993;160(6):1245-8.	P
Peller P, Ho V, Kransdorf M: Extraosseous Tc-99m MDP uptake: a pathophysiologic approach. Radiographics 1993;13(4):715-34.	P
Ryals B, Brown D, Levin S: Duplication of the pituitary gland as shown by MR. Am J Neuroradiol 1993;14(1):137-9.	P
DEPARTMENT OF SURGERY Anesthesia-Operative Service	
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DEPARTMENT OF SURGERY Organ Transplant Service	
Shaver T, Coyne P Jr, Peters T, Fernandez-Bueno C: Mycoplasma hominis wound infection in a renal allograft recipient. Resident Staff Physician 1993;39(1)72-6.	P
Shaver T, Maniscalco-Theberge M, Swanson S 3d, Kocandrle V: Internal marsupialization after laparoscopy for lymphoceles after renal transplantation. Surg Gynecol Obstet 1993; 177(2):187.	Ab
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White J, Shaver T, Kocandrle V: Simultaneous kidney-pancreas transplant using a horseshoe kidney. Transplant Int 1993; 6(5):302-3.	P
DEPARTMENT OF SURGERY Orthopaedic Surgery Service	
Berrey B: Ewing's sarcoma; state of orthopaedics in the military; orthopaedic infections; reconstruction/limb salvage/soft tissue; musculoskeletal oncology in the active duty population. 44th Annual Military Medical Surgical Clinical Congress, Willingen, Germany, May, 1993.	Pr
Berrey B: Femoral and tibial allografts, tumors, allograft and intramedullary nailing. American Osteopathic Academy of Orthopaedics 33rd Annual Post-Graduate Seminar, Scottsdale, AZ, April, 1993.	Pr
Berrey B: Laproscopoc assisted sacrectomy. International Symposium on Pelvic Surgery, Pittsburgh, PA, October, 1992.	Pr
Berrey B: Management of open fractures - the Desert Storm experience. American Osteopathic Academy of Orthopaedics 33rd Annual Post-Graduate Seminar, Scottsdale, AZ, April, 1993.	Pr

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<u>CITATION</u>	<u>TYPE*</u>
DEPARTMENT OF SURGERY Orthopaedic Surgery Service (continued)	
Berrey B: Musculoskeletal neoplasms in athletes: sports oncology. Sports Medicine Fellowship, West Point, NY, October, 1992.	Pr
Berrey B: Orthopaedic oncology update - 1993. 1st Gulf Cooperative Council Orthopaedic Association, Muscat, Oman, January, 1993.	Pr
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Clemence E, McHale K: Distraction lengthening for intractable plantar keratosis in a short ray. Society of Military Orthopaedic Surgeons, Colorado Springs, CO, December, 1992.	Pr
Fu F, Olson E: Anterior cruciate ligament reconstruction using fresh frozen allografts. In: Parisien, ed. Techniques in Therapeutic Arthroscopy. New York: Raven Press, 1993:8.1-8.9.	P
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Hansen M: The presence of pseudoneuromas of the radioal nerve in the radial tunnel. Society of Military Orthopaedic Surgeons, Colorado Spring, CO, December, 1992.	Pr
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Hayda R, McHale K, Romash M, Lower R: Open injuries of the foot and ankle in modern warfare: an analysis of Desert Storm casualties. Society of Military Orthopaedic Surgeons, Colorado Springs, CO, December, 1992.	Pr
Harner C, Jamison J, Iwaki Y, Noguchi K, Vanek M, Olson E, Fu F: The immunologic response to fresh frozen allograft anterior cruciate ligament reconstruction. Pittsburgh Ortho J 1992;3:143-4.	Ab
Hopkinson W: Options in the treatment of the unstable, arthritic knee. West Point Fellowship Visiting Consultant Lecture, West Point, NY, November, 1992.	Pr
Jones B, Cowan D, Tomlinson J, Robinson J, Polly D, Frykman P: The epidemiology of injuries associated with physical training among young men in the Army. Med Sci Sports Exercise 1993;25:197-203.	P
Kim C, Asplund L, Van Dam B: Repair of the defect in spondylo- listhesis by bone grafting and segmental wire fixation with the use of pedicle screw. Society of Military Orthopaedic Surgeons, Colorado Springs, CO, December, 1992.	Pr
King N, Lenhart M, Temple T, Kransdorf M, McHale K, Berrey B: Osteosarcoma in children 10 years old and younger. Society of Military Orthopaedic Surgeons, Colorado Springs, CO, December, 1992.	Pr

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<u>CITATION</u>	<u>TYPE*</u>
DEPARTMENT OF SURGERY Orthopaedic Surgery Service (continued)	
Lenhart M, King N, Temple T, Kransdorf M, McHale K, Berrey B: Osteosarcoma in children 10 years old and younger. American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, 1993.	Pr
Lenhart M, King N, Temple T, Kransdorf M, McHale K, Berrey B: Osteosarcoma in children 10 years old and younger. Pediatric Orthopaedic Society of North America, May, 1993.	Pr
McHale K: Treatment of the painful dislocated hip in the older patient with cerebral palsy - resection of the femoral head and valgus osteotomy. American Academy of Cerebral Palsy and Developmental Medicine, San Diego, CA, October, 1992.	Pr
McHale K, Clemence E: Efficiency in the pediatric orthopaedic clinic and the effect on the parents: a comparison of military and civilian medical centers. Mil Med, Sep 92.	P
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Olson E, Fu F, Harner C, Pullekines J, Silverstein: Towards optimal tibial tunnel placement in endoscopic anterior cruciate ligament reconstruction. Society of Military Orthopaedic Surgeons, Colorado Springs, CO, November, 1992.	Pr
Olson E, Fu F, Irrgang, J, Harner C: Anterior cruciate ligament reconstruction with sterily harvested fresh frozen allograft: 4-year results. Arthroscopy 1992;8(3):405-6.	Ab
Olson E, Fu F, Irrgang, J, Harner C: Anterior cruciate ligament reconstruction with sterily harvested fresh frozen allograft: 4-year results. J Bone Joint Surg (Br) 1992; 74-B(suppl 3):261.	Ab
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Orthopaedic Surgery Service (continued)

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